

Digitized by the Internet Archive
in 2023 with funding from
National Historical Publications and Records Commission

Sylvester Judd's
Note-Book,
Volume VII.
Began May 14, 1850.

May 1850

Money Matters.

Receipts

May 14.	Balance of account under April 1.	\$ 36.82
14	Arcthusa sent back \$1	1.00
June 18.	of Frances money 82 ^c I paid it to her 20th	
24	of Dr Barrett interest on his note 2 years with interest on the interest of first year	48.66
27	Sent by son J. Walker	10.00
28	Sent by sons Van Hook my Rail Road Div. 2 1/2.	25.00
29	Lewis Phelps 11 1/2 bush. Ashes 1.92. by labor 1.42: paid	0.50
		<u>\$121.98</u>

Expenditures.

May 14.	Purchases omitted a few days past (of which 60 ^{cts} was paper)	0.89
14.	Sage seed 6 ^c . Ferriage 6 ^c . Postage &c 11 ^c .	0.23
16	Postage 10 ^c . Eggs 12 ^c . Postage for Arcthusa 5 ^c .	0.27
16	Butter 34 ^c . Postage 14 ^c . Cheese 21 ^c .	0.69
20.	Postage 23 ^c . Rail Road to Hatfield 15. Tribune &c 5 ^c .	0.43
21	Veal 28 ^c . Postage & certificate for Frances money 35.	0.63
22 & 23.	Expenses to Granby &c 18 ^c . Postage 5.5.5.5.5.7.15.	0.60
24.	Bridge toll &c 8 ^c . Washing &c by Mrs. Salis bury 60.	0.68
29.	Paid Cephas Clark for removing the body of Hall's little boy from Bensonville to this grave yard	2.00
29	Paid de do. for labor on my plat in the grave yard, & carting earth, &c.	5.00
29	Tribunes 6 ^c . Stage 15 ^c . for wife. Postage 10 ^c .	0.31
June 1.	Cheese 2 dr 103. 26 ^c . [Milk of Mrs. Shepard began June 3]	11.73
3.	Milk of Frederic Clark 24 1/2 qts since April 26	1.24
3	Wife 5 cts. Postage 5 ^c . 20 Crackers 10 ^c . Tribunes &c 9.	0.49
3.	Cephas Clark for 3 balsam of fir trees, small, & setting out in my plat in grave yard.	1.38
7	Postage 6. 5. Codfish 25. Tribune 3 ^c . Postage 20	0.65
11	Moving stove 10 ^c . Potatoes 15 ^c . Pecans 10 Tribune 3.	0.38
11	Cars to Smiths Ferry 15. ferriage 6 ^c . Bridge &c 5.	0.26
13	Postage 25. 20 ^c . meat 25. Tribune 6, sunds 5.	0.85
19.	Washing 50 ^c . Mending shoe 8 ^c . Cheese 8 ^c .	0.66
19	Postage & Tribune 8 ^c . Postage 6 ^c . & 20. Crackers 14	0.48
24	Cheese 9 ^c . Postage 10 ^c . 15 ^c . Ribbon 6 ^c . Postage 7 ^c . & 6 ^c .	0.53
24	Paid my Town Tax 36.71. 5 per cent disc. 1.84. 34.87	
to be repaid { 24	Paid Tax on Hall's homestead. 4.90. disc. 0.25.	4.65
26	Lent to Frances 10 dollars	10.00
27.	Postage 15 ^c . Delaine for Peninnah 34.	0.49
28	Postage 25 ^c . Tribune 3. Bread 6. Snuff 8 ^c .	0.42
July 1.	Binding blank book 37 ^c . Postage 15 ^c .	0.52
1.	Bill for Postage of Evangelist & for box to Oct 1.	0.32
1.	Left 50 cts with George S. Jr. to pay postage.	0.50
1	Crackers 8 ^c . Peppermints 5 ^c	0.13
1.	Paid S. G. Parsons for 6 qrs soap at 6 1/2 cents.	4.47
2	Balance on hand	75.00
		<u>46.98</u>
July 2.	On hand 46.98.	<u>\$121.98</u>

Expenses

July 2.	Hack to N.H. depot 25 ^c . Fare to Boston 6.00.	6.25
2	Hack in Boston 75 ^c . Cake 6 ^c . (Parks p. in Reading 1.00)	0.81
3	Ticket from Boston to Bath \$4. + 15. to get them.	4.15
3	Hack in Portland 50 ^c . Apples 2 ^c . Steamboat 1.00.	1.52
In August.	25 cts. Out at Winthrop. Apples 10 ^c . Postage 10 ^c . bridge 2 ^c .	12.73
Peninnah	25 cts. Tea 45 ^c . Passage to Portland & Reading	15.82
50 ^c . 5.00, 50 ^c .	Spent at Reading 2.50. Hack. Boston 50 ^c	29.02
	Rail Road home from Boston 6 ^c . Establs at Springfield 12 ^c	
Su August 15		

May 1850.

Tuesday 14.

I settled with cousin Samuel Edwards yesterday. He had two years account against me. Our last settlement was June 10. 1848. Previous April 20. 1847. Next before, Feb 4. 1846.

He owed on one note dated January 13. 1843, (see Feb. 24. 1843) \$332.35, when we last settled, and brought all up to January 13. 1848. So much due at that date after deducting endorsements, and 25 dollars which I gave to him on account of his losses by O. Kinsley.

His Account for 1848-9.

7 bushels Winter Apples @ 56^c. — 3.92

1/2 peck Quinces — — — 0.15

5 cords & 124 feet Beech wood, housed @ 3.75. 22.38.

1 Cord 8 feet Yellow pine wood @ 2.75. 2.92

His Account for 1849-50. \$29.37

4 1/2 bushels Winter Apples @ 1.00 — 4.25

1 peck Quinces — — — 0.25

1 bushel Turnips — — — 0.25

3 cords & 88 feet wood, 1 load at 3.75, rest ^{\$}3.50 _{not housed} 13.09 \$17.84

These two sums included on note, viz. as if paid

Jan'y 13. 1849. and Jan. 13. 1850. and allowed him also. 45

\$47.66

Interest on Note 1 year to Jan. 13. 1849. viz on \$332.35. 19.94

Interest on do 1 year to Jan 13. 1850. viz on 322.92. 19.37

Principal of Note due Jan. 13. 1848. 332.35

371.66

Deduct payments above 1848-9. & 1849-50. 47.66

New Note given May 14. 1850. but dated January 13. 1850. \$324.00.

I have against Cousin Samuel 1 Note } Principal dated April 1847. no interest paid. 50.00

Due of principal on Mortgage Note, and } 100.00 interest on this since June 7. 1849.

Due on Note he gave to Jesse Lyman, Feb 5. 1850. 103.50.

He owes me in all (besides some interest) \$577.50.

[See Aug. 5. 1851. for next settlement

May 1850

Tuesday 14.

Examination of Meadow, in reference to height of various places.

Water at the abutment was 11 feet 3 inches below the top, having fallen almost 10 feet (or $10\frac{3}{4}$) from the highest flood. The fall was about the same down Mill River and at Middle Meadow. The water has left the meadow except the lowest places.

Places between Hockanum road and Mill river, not covered by the first or highest flood.

Between Parsons' and Lyman's Swamps, there are two elevations or ridges, the highest near Parsons's swamp. This was out of water, a narrow strip, for some distance; perhaps 6 or 8 inches out. The northern elevation near Lyman's swamp was less out, very little out. I think there was no land above water, north of Lyman's swamp - certainly very small spots if any.

Below Parsons's swamp, there were two or three places not covered with water, within 40 or 50 rods of Mill river, including one at west end of Parsons's swamp, next to the river. At least, stalks and rubbish were lodged on two or three places.

On the Hockanum road there were two or three places above the highest flood within about 80 rods of Middle meadow Hill, on both sides of road. There were no other places above the flood on this road, except at the elevation a little north of Parsons's swamp, & that did not extend far east of the road; possibly a very little was out at the elevation near Lyman's swamp, but I think not, on the road.

At the bridge on the Hockanum road, near Lyman's swamp, water was four feet or more above the tops of the plants - seems to have covered the timber at the ends of the bridge, which are four feet above the bridge, or a little more.

Middle Meadow Bank or Hill and land adjoining.

Here was a long strip of land out of water. The flood was as high as the bank near Mill river and seemed to be out only 6, 8, or 9 inches for some distance east, to the trees on the bank, and farther.

May 1850

Tuesday 14.

Height of places in the Meadow, &c.

Middle Meadow Hill, along where the trees grow, was not much above the highest flood; perhaps 9, 12 or 15 inches in highest places. The waves often washed over the bank. From the east end of the trees, to near Hockanum road, the hill, or land on the hill, was about two feet out of water; near the road, the hill falls to one foot, and to nothing, above the flood. One or two places may be two and a half feet.

East of Hockanum road, the bank or hill is about two feet above the flood, some distance; then $2\frac{1}{2}$ feet, and next 3 feet — and continues from $2\frac{1}{2}$ to 3 feet to Barker wigwam land. The first land on the bank, in the wigwam farm, is not over 2 feet above the flood. I did not examine farther east. Some is lower.

I refer to the bank that is on a level with the land adjoining, and not to a bank or ridge thrown up by the plough, higher than the land.

Middle Meadow.

This at the upper end and for some distance down is about $4\frac{1}{2}$ feet below Middle Meadow bank; then the long elevations are only from 4 to $4\frac{1}{2}$ below the bank down to Hockanum road; some places on the elevation may be 5 feet below. The ferry house site is $5\frac{1}{2}$ feet below or more. West of the ferry road, on the broad elevation, in several places, the bank or hill is only 4 feet to $4\frac{1}{2}$ feet higher. Probably not more than about 4 to $4\frac{1}{2}$ feet higher than this elevation, down to near the lower part of the meadow. This however is conjectural. — A much lower tract near the bank or hill. Water in this hollow almost to Hockanum road from Mill river; and about 100 rods N.E. of the road. This last does not unite with the other, and cannot run off. There are other hollows, with water, and without. Elevation of meadow, both fall — perhaps 2 feet, below Hock. road

Venturers Field Ridge.

This was out of water down to the lot between the houses of Morton and Apthorp. The higher part of the elevation in this lot was just above the water. Mr Morton says the flood of 1843 was up to the bottom of his underpinning stones, two feet & more above this — he thinks almost three feet.

May 1850

Tuesday 14.

Height of places in the Meadows, &c.

Parsons's Swamp. There is now a considerable pond at the east end of this swamp and the outlet is below a piece of high ground adjoining Mill river. This is the old and the present drain of all this swamp, and water runs in it or sets back in it all the way to Mill river. Lyman's Swamp was once drained through the same channel, and I suspect the brook ran here. It did not go down the present place occupied by Mill river but turned to west and northwest.

View of Meadows from Holyoke.

The water still stands in long hollows, often a little bending or crooked. In the lower part of the upper meadow, these long narrow ponds generally point downwards southwesterly; one or two trend almost westerly. In the south meadow, these long ponds seem to trend towards the west, generally; some run southwesterly. Some run a little north of west.

The water in the northern part of the upper meadow, before Mill river ran in its present channel, ran in several directions before they reached old Mill river, from S. all points round to N. and N. N. W. making almost a semicircle, though a very irregular one.

Much scum seems to have washed upon some places in Old Rainbow, & some elsewhere. They appear whitish, from Holyoke.

The River has made inroads into the banks in many places, and on both sides, in Northampton, Hadley and Hatfield. The river gradually grows wider, and land becomes less.

Farmers are ploughing, some sowing and planting, by Hockanum road, & elsewhere, on land which has been flooded, but not on the lower lands where the water stood many days.

Rye in meadow. Stalks 6 to 12 inches high. Some 14 inches.

May 1850

Tuesday 14.

Mount Holyoke. In the afternoon I ascended Holyoke from brother Johnson's, to the house.

The oak region, north of the chestnut region, appeared of a dirty green, or reddish green, or brownish green color—only greenish as yet with a rusty look about it. This was the appearance from Kitt meadow and from the top of the mountain.

Red Oaks, as I viewed them near by, from the foot to the top of the mountain, were opening their leaves and male catkins. Some trees, but not many had distinct open leaves, generally reddish, and some had only swelled buds. On and about the top, and easterly on backside, the foliage was not quite so forward as on the front or N.W. side.

Scarlet and Yellow Oaks (I saw but few) seemed not quite so forward as the Red Oaks.

White Oaks had only swelled buds, except one tree in the pasture had opening buds.

Shrub Oaks on the summit had germs or beginnings of leaves & catkins; not yet extended much. The dark bark, tallest species began to show catkins.

Chestnuts. The larger trees in general had no leaves; some in the pastures, however, near the edge of the woods, had put forth leaves, but were not green. Small trees in the woods, including some 6 or 8 inches in diameter, had small leaves. A second growth of small chestnuts, above Pease, cleared land, appeared greenish from the top. All chestnuts in the woods, 10 or 20 or 30 feet high, had small leaves.

Hard Maples. These are all in leaf on the sides of the mountain—are in general small, & not seen at a distance, except in the lower edge of the woods. These in the lower part of the woods, especially by the road up the mountain, here and there one on the steep sides of the mountain, N.W. side and S.E. side, and on or near the summit, are (many of them) full of blossoms, and are conspicuous at a distance and near by. This yellowish green is very distinct. Blossoms not so much advanced high up as lower down, on the mountain. Trees large enough for blossoms are not plenty, except low down, and then only in a few places.

May 1850

Tuesday 14. Mount Holyoke - cont.

Striped Maples. are full of leaves, & show clusters of buds.

Spiked Maples. Have only leaves.

Flowering Dogwood. Has very small leaves, and envelopes of buds not open, but enlarged. Not green.

Dogwood. One species has large open leaves.

Another species has small leaves.

Butternuts. Leaves opening.

Walnuts on summit & backside, have swelled buds. — Some shagbarks in the cleared land have opening buds.

Shadbush, quite white with blossoms, near the summit.

Sumac, on the top rocks, opening, & some leaves almost developed.

Wild cherry, racemed & corymbed, near summit are both full of leaves, & flower buds.

Nettle Tree on summit seems almost dead. a few green buds appear.

Iron Wood is full of small leaves & catkins. Some have only opening leaves.

Witch Hazel, has leaves, & shows calyx of last fall.

White Poplars near summit - full of green catkins and some have leaves.

Bass has opening leaves - not open.

Birches.

. Most of the greenness of the mountain comes from the birches now, (evergreens excepted.) They began to open their leaves about the 11th of May, and were a little greenish, or a few were, on that day; more were so May 12; and they have increased fast since the 12th, or on 13th & 14th. They could be distinguished in our meadows on the 12th at sunset, and are now distinct, though most have only small leaves, and many no leaves.

Black Birches are not green yet all; a few show catkins, and I think very small leaves are open or opening on a few trees.

White Birches, ovate leaf, make the green. Some have no leaves yet. many have quite small leaves, & some have larger leaves. Many trees have catkins and leaves, some have leaves and no catkins, & others have catkins and no leaves. The birch green, where seen, is fine green, not dirty. No birches on top & backside.

May 1850.

Tuesday 14.

Mt Holyoke. -- continues.

The summit, & back sides of Holyoke, on the range farther east, show only the lead and reddish brown colors -- no green is visible, except the yellowish green of the hard maples, (and these are rare,) and the green of evergreens. No birches are seen on the back sides of these elevations; the walnut buds are not open, and the oak buds are only open enough to give a little reddish brown or rusty hue to the woods.

Mount Torr seems about in the same state of forwardness as Holyoke. The chestnut region (much more exclusively chestnut than on Holyoke, and less oak,) is not green nor greenish, but silvery, slightly dark purplish or something similar, brown, &c. Yellowish green of hard maples is seen, and the bright green of birches.

Some very light green tree tops, whitish, are seen on both mountains, below the steep sides. Am not certain what they are. I think some green poplars are seen.

Flowers, &c. on Holyoke.

Early Saxifrage (*S. Virginiana*) } These are most
Early Crowfoot (*R. fascicularis*) } abundant all about
the rocks on the summit
and some below the summit. In places they almost
cover the ground. Have been in blossom some time.

Mouseear Life-everlasting, is very plenty on the top, and is mingled with the two preceding flowers.

Solomon's Seal (*C. or P. multiflorum*) with buds hanging down from the axils of the leaves. These plants are very plenty all about the rocky summit, often mingled with, or near the three species just named.
Not yet in blossom.

Candelions. A few blossoms near the house.

Columbines. A few blossoms on the summit, on the rocks. Not so plenty as formerly.

Riverleaf, is now in blossom, near the top on brow.

Blue Violets with ovate leaf, are on the top or near.

Rue Anemone. Flowers are near top, a little east. Flowers.

Strawberry Blossoms are on or near top.

Honeysuckle near summit has only leaves.

Solomon's seal with one or two leaves. No blossoms.

May 1850.

Tuesday 14. Mt Holyoke - continued.
Flowers, &c. - continued.

Fly Honey-suckle (*Hylosticum ciliatum*) grows on the side of the mountain. Is now full of leaves and blossoms. Has been in blossom some time. Blossoms begin to fall.

Gorydalis glauca. (Dutchman's breeches, with one leg) grows on the rocks near the summit. Has just begun to blossom - very few out.

Shepherd's Purse. These plants & flowers are on summit.
Roses, near summit, have leaves.

Yellow Violets (the large Canadian Violets) are in blossom by road on lower part of mountain.

In Pasture below the woods.

Blue Violets with pedate leaves (*V. pedata* or some other) are most abundant.

Blue Violets with ovate leaves (*V. ovata*) are plenty - are mingled with the other species - are much less showy than the other.

Blue Violets with a cordate leaf. (*V. cucullata*) I found lower down, in a mowing.

Hockanum Village.

Vegetation as forward as in Northampton.
Sugar maples make a rich appearance with their millions of swinging blossoms & leaves.

Peach Trees as forward as in N.H.

The early *Carex* with yellowish heads is plenty about the summit of Holyoke & below.

The early *Luzula* is in the pasture below.

Venus Prides now covers many spots.

Alexanders are in blossom, in mowing.

White Violets are in wet places in mowings.

Five Finger - is plenty in pastures.

Butterfly. I saw on the mountain only the black butterfly with white edged wings.

Birds. I heard the blue jay & some others. Saw a bird on the summit, but heard none there.

May 1850.

Wednesday 15.

Vegetation in the village or near it.

It rains today, but there has been a great advance in vegetation during the two warm days past.

Chestnuts on Round Hill all have small leaves but some large trees have them only on the lower limbs. Some trees two feet in diameter have leaves on all the limbs. Yet chestnut leaves are so sparse, that these small leaves do not make the greens green. Some are faintly greenish. Trees at Fort Hill about the same as on Round Hill.

Oaks on Round Hill - perhaps red, scarlet and yellow or black. Many have small leaves, and others have leaves and catkins opening. They make more show than chestnuts, but it is a greenish reddish color.

Red Oaks by Joy's fence have leaves from an inch to two inches in length.

English Oak in Joy's lot seems full of small leaves.

English Oaks in Bright's lot. Some have opening buds; some scarcely changed. P.S. May 18. Some have small leaves; others swelled buds.

Sugar Maples are very green with leaves, or of a yellowish green, from leaves and blossoms. A few have not leaves yet. They are in full blossom, I think. There has not been such a growth since 1846. Many trees present a rich, graceful appearance, the innumerable flowers hanging down on pedicels 2 or 3 inches in length, swaying in the breeze and each bunch of flowers crowned or capped by green or reddish green leaves.

see April
28, 1850

Red Maples, are not very bright; the red is not so showy as usual. Those with seedlings have but few leaves; and those which did not blossom have small leaves; in foliage they will not compare with sugar and white maples.

River Poplars, both sorts, are full of yellowish leaves.

Lombardy Poplars are full of leaves, small, & are green.

Buttonwood. Many trees have only swelled buds.

A few have small leaves, on some limbs.

Tulip Trees have shot forth many leaves, and are greenish.

May 1850

Wednesday 15. Vegetation continued.

Bass Trees at Talbots have some leaves, and others opening. They are not so forward as those near Mill river, or some of them, which are full of small leaves.

English Bass or Lime Trees at Brights are not quite so forward as the American. Some buds are opening.

Wild Cherry, with corymbes (*C. Pennsylvanica*) was in bloom yesterday at Mansion House. I have seen none in bloom elsewhere, but they are near it. ^{S.P.S. Blossoms at Bengonville, May 16.}
^{in it. H. May 15. and perhaps 14th in fields.}

Shadblow is past full bloom in the village and the blossoms are falling or fallen. Same elsewhere.

Sunners have many opening leaf buds & some small leaves, 3 inches long.

Flowering Dogwood. Mr. Joy's upper tree has opened the involucre but they are greenish, and not white like those which grow in the woods. Will become whiter. Other trees not so far advanced.

Horse Chestnuts are very green - full of leaves.

Yellow Birches back of Round Hill. Small trees are full of green leaves of some size; large trees have many catkins & very small leaves.

White Birches, Deltoid leaf, back of Round Hill have small leaves and are greenish; but some are not yet in leaf. Many have greenish catkins about two inches long.

Ask Trees. Those which bore seeds last year have green leaf buds and a few have small leaves. Trees not green. Those with black bums, are about in the same state as to leaves.

White Oaks on Round Hill. Large trees have swelled buds. Some. Small trees have little leaves, ^{and catkins, leaves reddish.}

Elms grow green slowly. The seeds yet adhere and there are small leaves.

English Elms have small leaves and not many seeds.

Shagbark Walnuts. Some in about the meadow begin to open their buds. Buds begin to be ragged, or some clo. Some trees have no opening buds.

Pignuts about Round Hill have put forth small leaves.

Bitternuts. These in the meadow show small leaves, not fully developed - a little rolled up.

Hornbeam. Has small leaves, male catkins, & begins to show the leafy female catkins.

May 1850.

Wednesday 15. Vegetation - continued.

Fruit Trees, &c

Apple Trees. I found three trees with 10 or 20 blossoms each - one in the hollow below Jewett's cider-mill; one in Mrs (Judge) Lyman's homestead on West Side; one by the house in Fruit-street where Isaac Clark used to live. I think some were open yesterday.

Grab Apples. I find no blossoms.

Japan Quince is full of blossoms - is fiery red.

English Cherry Trees. Very many are in full blossom; some not so much advanced.

Pears. Blossoms are very abundant, but trees are not yet full. Some have just begun.

Plums are in various stages of blossoming. A few are full, and some have only begun.

Common Old Cherry. Several trees have a few blossoms to day. May have commenced yesterday.

Currants Common, are near full blossom.

Currants Missouri, are about the same.

Peach Trees. Some are almost in full blossom; others have but few blossoms yet. Much difference. They seem not to put forth blossoms vigorously.

Apricots. Blossoms fallen.

Barren Plum. Flowers are fading and falling.

Flowering Almond. Bush at Mr. Bliss's, begun to blossom to day. One in Fruit Street, noticed in past years began 2 or 3 days ago.

Gooseberry blossoms are withering.

Garden Flowers.

This is a time when there are very few garden flowers. Hyacinths & Daffodils & some others are gone or going. There are primulas, snowflakes, and a few more. Tulips have hardly begun. Pinks, & violets are here for months. Early tulips are rare; some dwarf Iris are seen. Some grape Hyacinths.

Wild Flowers: New ones, chiefly.

Denclaria diphylla, or Pepper Root, is abundant at Round Hill, and has begun to blossom.

Ground Nut (*Panax trifolium*) is in blossom back of Round Hill.

Goldthread (*Coptis trifolia*) is in blossom back of Round Hill.

Wood Anemones. Flowers continue abundant at R. Hill, N.E. of buildings and elsewhere.

Whortleberries are in blossom at Round Hill. Low ones.

Celandine is in blossom.

Lousewort is in blossom

May 1850.

Wednesday 15. Vegetation—continued.

Comparison of Vegetation, or leaves and flowers, May 15, 1850, with preceding years. [For comparison of Apple Blossoming see May 18, 1849.]

Leaves and flowers, May 15, 1850, were as
May 15, 1849. or same [see 1852.]

May 6, 1848, or 9 days later

May 15, 1847 or same

May 1, 1846, or 14 days later

May 5, 1845, or 10 days later

April 29, 1844, or 17 days later

May 15, 1843, or same

May 3, 1842, or 12 days later

May 20, 1841, or 5 days earlier

May 3, 1840 or 12 days later

May 6, 1839, or 9 days later

May 20, 1838, or 5 days earlier.

The comparison of May 15, with former years differs from the comparison of May 1, with former years. See May 1, 1850. May 1, 1849. May 18, 1849.

See May 12, 1841. — The difference in extremes is 22 days, or between 1844 and 1841.

Greenness.

Almost all trees and shrubs are now more or less green, and the village shows much verdure. Most leaves are yet small, or not fully grown. Apple trees though having small leaves, add very much to the greenness in every direction.

Grass. The frequent rains make grass grow. Lots Road-sides and yards are very green. The pastures on the hills around are all green.

Vernal Grass, has shown its contracted panicles for ten days. This grass is found in low, moist ground, more, than on dry ground, but is about our houses and home lots. (*Anthoxanthum odoratum*)

Spear Grass, or *Poa pratensis*, just begins to show panicles by buildings and fences — not in fields.

Poa annua is full of panicles, & has been some time.

Orioles are quite noisy, May 16. Have not seen nor heard one before. Why are they so late?

Catbirds sing merrily.

Wrens are heard in the village.

Kingbirds, I saw at Bensonville, May 16.

Chewinks. I heard on way from do. May 17.

May 1850.

Thursday 16.

Walked out to Bensonville. It makes me sad to see places which Hall once frequented — his house and lot, his counting-room, his path in going to & returning from his daily labor in the counting room, &c. Dear Hall! How many pleasant hours I have spent with him! I now go to see his wife and children.

Vegetation:

On the Bensonville road, vegetation differs but little from that of the village.

Chesnuts have small leaves.

Oaks, except white oaks, have small leaves.

Wild cherry, smooth bark, begins to blossom.

Shad Bushes. Flowers are disappearing. The small bushes from 12 to 18 inches high are full of blossoms. High bushes have lost most of flowers.

Great-teeth Poplars. The male trees above Danon's mill have lost their catkins and had no leaves. Only green buds. Same on the road to Bensonville. Female trees above the mill have green catkins from 4 to 6 inches in length and no leaves. Same on or near Bensonville road in the woods, but catkins not so long. Young, small trees show white, downy leaves.

Flowering Dogwood. A small tree by the road is full of open involucre — greenish not white — much like Joy's tree. Leaves very small.

Poa pratensis shows panicles in two or three places.

Friday 17.

Planting time for corn has come, whether we regard the Indian sign, viz. White Oak leaves as large as a mouse's ear, or the white man's sign, viz. commencement of apple blossoming. These two things happen simultaneously. There are as yet but few white oak leaves & but few apple blossoms. [See diary 17. 1852. See May 11. 1853.]

Apple Blossoms. Many trees have a few blossoms to day — perhaps 100 or more in the village. One tree near the Gothic Seminary has 200 or 300 blossoms, or more. P.S. May 18. Thousands of blossoms out.

Grab Apple Trees show a very few blossoms to day.

Eng. Cherry Trees. Flowers are falling from many.

Peach Trees. Flowers are falling from those which first began to blossom. There is not a great growth on peach trees. Trees seem not so thrifty as usual. In this state, blossoms are later than usual. Many are late this season.

Plum Trees. Some in full blossom; some are past the full; others not full. Not so general a growth as last year.

Pear Trees. Many are about full blossom; many not so forward.

Lilac has a few flowers on a branch close to the house. Horse chestnut. Two early trees at Brights begin to blossom May 18.

May 1850

Friday 17. Vegetation, &c. Toward, Bensonville
I walked out to Bensonville A.M. by upper road,
and back by the building for a thread or linen
factory; (Some folly exhibited here, I think,) and by
the paper mill, and Wm Clark's pasture or
Paradise.

Woods on Roberts Hill exhibit the aspect of other woods,
where there is much oak. The brown limbs give a hue
to all deciduous woods, but the reddish, whitish and
greenish buds and leaves and catkins of the oaks
impart their color to the woods also; and a dingy green
is the result; or in some places, a reddish brown, a
light brown, a purplish, a yellowish green, &c. are seen.
Near the edge of the woods, are seen some birches,
and maples more green. These woods are not
so forward as the oak woods on the lower part
of Holyoke.

Large chestnuts, though they have put forth leaves, do
not yet make green woods, ~~but~~ they change the
hue of the woods. The leaves and catkins of the oaks
cover more of the limbs, are more conspicuous, and
change the color of woods more than chestnuts, at the present
time.

Small trees have larger leaves than great trees
of the same species, at this season of the year; perhaps
at other seasons. Lands where the timber has been cut
off, and young trees have sprung up and are 10
or 20 feet high, are much greener than old forests,
of the same species of trees.

Broughtons Meadow. On the 11th, this meadow
was handsomely adorned with the yellowish
blossoms of sugar maples, and some red maples.
Now there is more foliage, more greenness,
and less of the other colors.

Forest on the Hills north and northwest of
Bensonville have a silvery and purplish ap-
pearance, and the nearest show the dingy green
of the oaks; and some other green.

White Oaks. But few have open leaves - not one
in twelve perhaps; or it may be one in ten or eight.

Shrub Oak. One species at Bensonville,
with dark bark and 8 or 10 feet high (or some are) has
reddish catkins, and beginnings of leaves.

Shad Bushes	} The flowers of the latter succeeded those of the former as in past years.
Wild Cherry, smooth bark	

Shad blossoms have mostly fallen, except from the
dwarf bushes. Two large trees, however, near Mill
river and near Mr. Hill's barn at Bensonville, are
white with blossoms. Cherry blossoms are seen
on many small trees - fast increasing.

May 1850

Friday 17. Vegetation, &c

Wild Flowers, &c. between here & Bensonville.

Small Saxifrage, (*S. pennsylvanicum*) is in flower this side of the Cotton Factory in wet ground.

Bulbous (row) foot. Several flowers in Wm. Clark's pasture (Paradise). Flowers large. Calyx reflexed and almost as yellow as the petals. I have found none about the village.

(Roberts) (Paulownia) (*Erigeron bellidifolium*). A few flowers in the same pasture (Paradise). Rays pale purple. I have seen none about the village.

Smooth Speedwell (*Veronica serpyllifolia*). Has been in blossom some days, in village & farther west.

(Polygala) sauciflora, or Fringed Polygala. I found in abundance between Bensonville Paper mill, as I came round by Mill river & Thread Factory. Must have been in blossom some days.

Blue Violet. I found on this route a species different from the 3 species noticed May 14; it is caulescent & has a stalk. Seems Muhlenberg's violet.

Wood anemones, are plenty in many places at Bensonville, and on the route by which I came home. Not new.

Liverleaf continues to blossom in Wm. Clark's pasture.

Vernal Grass. I find this common on high and low land, rich & poor land; but generally on moist land. It is easily seen now, as other grasses have no heads as yet.

Early Carex & Those noticed in past years. I find Early Luzula on high and low land — the former often in the woods. They are widely scattered.

Sweet Fern. Catkins are greenish, an inch long. or $\frac{3}{4}$ th inch, fully yellow dust. The fertile flowers are not yet developed. Leaves begin to open.

Wild Flowers elsewhere

Panicled Elder on the Rail Road shows white flowers in panicles; also purple buds in panicles.

Sargaea vulgaris, is in flower on the Rail Road and uplands. The flood has retarded it in the meadows.

Bane berry at Fox Hill begins to blossom May 20. Alexanders are in blossom, May 20, probably before.

Leaves.

Red Osier (dogwood) has small leaves.

Gelastus scandens has small leaves.

Ailanthus — has large reddish buds like sumacs. Some are beginning to open.

Common Locust. Some trees have small leaves; some not.

Glaucous locust. Trees have small leaves.

Asplenium — has a few leaves, about buildings.

Cypripedium — has opening leaf buds.

Thorny Locusts have opening leaf buds May 20.

Willow trees are full of small leaves.

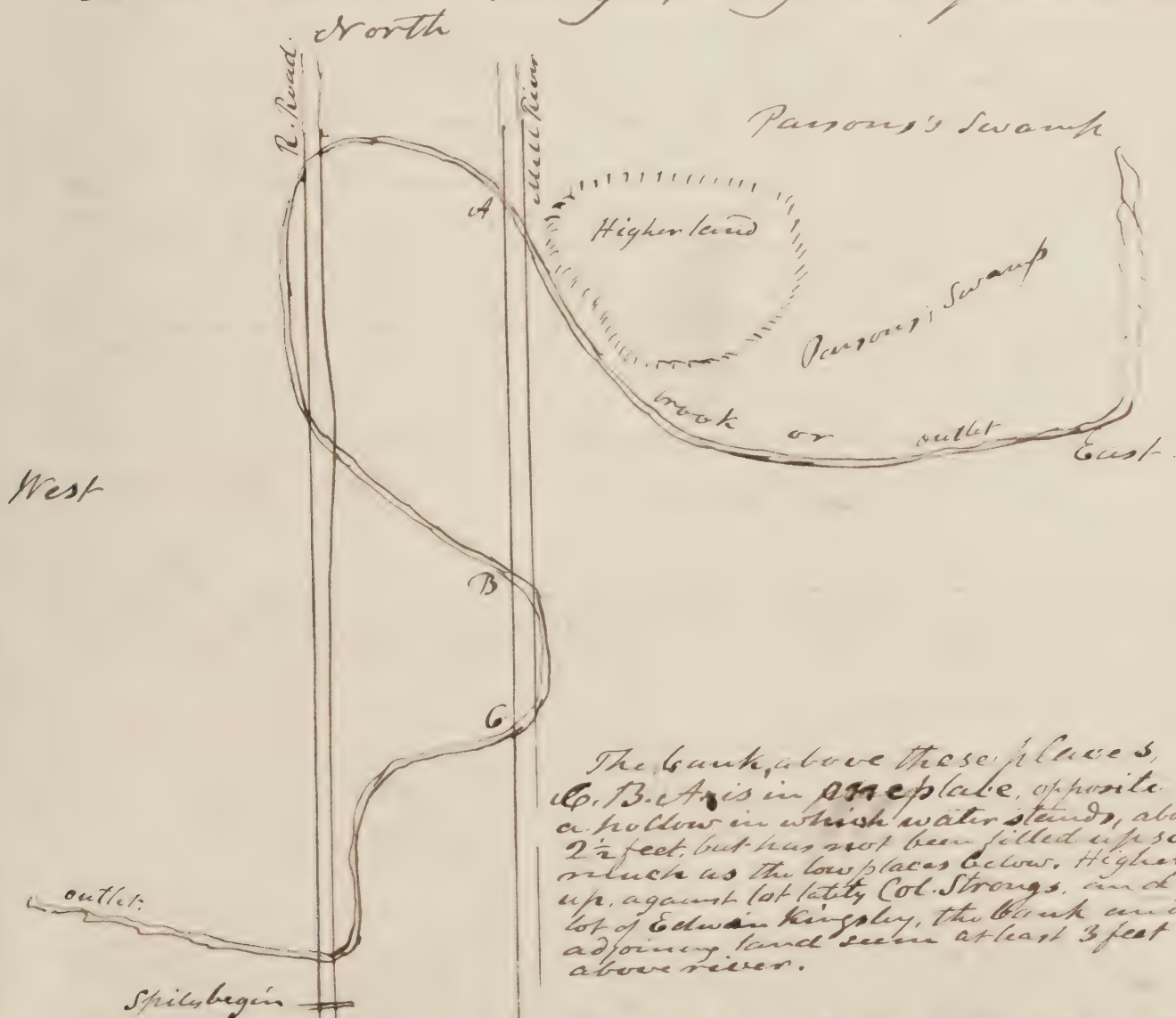
May 1850.

Friday, 17.

The old Brook place, and outlet of
Parsons's Swamp. See May 14.

The lower outlet of this swamp runs westerly but turns much to north west before it meets mill river. It continued this course some distance further before mill river was turned; its bed appears again on west side of the river farther up, goes to rail road & then turns southerly where rail road and the ditch by its side now are; thence turned towards present mill river & ran where that runs a little distance; thence turned towards rail road and ran along near it down to 10 or 12 rods above the spiles; thence crossed the site of rail road and ran in a hollow at the end of some lots and on westerly to Mill River. The low place where the spiles are is not quite so low as this, but unites with this westerly over S.W.

Plan of the old outlet or brook, supposing
mill River to be straight, though it is quite crooked.



The height of present bank at A. is about 2 feet above mill river (river now 9 feet 9 inches below top of a butment,) at B. and C. about 2 1/2 feet above. These old brook channels have evidently been filled up to the depth of 12 to 18 inches, since mill river was turned.

The old brook place, up higher, by rail road crossing & walnut tree, seems a little higher than that planned above. Cannot tell however.

May 1850.

Saturday 18.

For a month past, I have been engaged principally in hunting up the Judds far and near, in order to publish the "Descendants of Thomas Judd". I have written and received many letters, and there must be many more.

[from under May 9] Wrote today to John F. Judd, Hartford. sent 12th
Wrote to Elijah Clark of Chatham, Conn. (Middle Haddam) sent 20th
Wrote to E. B. Pratt, Boston, and sent papers in order to get money of the Insurance Company for Frowles. This was done yesterday.
Wrote to Jamieson Savage Esq. Boston, May 20.
Wrote to Edward B. Osborne, Danbury Conn. May 20.
Wrote to E. B. Pratt again, one losing Policy, &c. again May 22.
Wrote E. C. Horrick, Librarian of Yale College, May 21 and May 27. [cont. under May 29]

Shad are still brought here plentifully - from Saybrook chiefly, but some are caught this side of Saybrook, and recently at the foot of South Hadley Falls. They are sold at from 20 cents to 33½ cents - good sized fish may be had from 25 to 30 cents each.

Birds. The Catbird and Brown Thrush are great songsters. The former is in the village, the latter out of it. The thrush repeats its notes; it gives the same sound twice over commonly, and occasionally, three times. The "plant corn, plant corn; hoe it, hoe it; pull it up, pull it up," may be imagined in its song, and were in my younger days. Its song is heard in planting time.

Wood Birds of many kinds may now be heard, "warbling their native wood-notes wild". Some come into the village, where trees and shrubs are plenty.

Bobolinks fill the meadows with music in some places, and are heard in some places near to or in the village.

Humming-bird. first seen May 19, on Peach Blossoms.

Worms' nests. I have seen two or three on wild cherry and apple trees. They are very rare this season.

Musktoes. I have seen none in the woods or elsewhere.

Trees in Water. I have observed this year, as before, that trees near mill river that have stood in water some days, and even weeks, are quite as forward as a new, if not more so.

Dandelions are now very abundant, and make some large spots quite yellow. I see no seed heads as yet. Children have been gathering dandelions for greens some time, and still continue. Cowslips are gathered also.

Shepherd's Purse is abundant on meadow & upland. Some of it 18 inches high or more.

May 1850.

Sunday 19.

At meeting - A stranger breached (dly Partridge of G.
I and wife walked to burying ground, at sunset.

Monday 20

Hatfield. Went up to Hatfield depot in cars.
Then walked to the village - crossed Mill River
and Mill Swamps, and the plain. It rained. I rode home.

Mill River Swamps is pretty broad - is in grass, mowing
or pasturing. Some swampy places and watery hollows
in it - much of it overflowed in a freshet.

The Plain is a moist, loamy plain, mostly; some
swamps on it - some good land. Woods on it chiefly
white pine. Some yellow pine in dry places. In
some places, much red maple, Celtoid leaf birch
alders, &c. little oak. Some wild cherry, &c.

Flowers.

White Trillium, grows near depot - in flower
Ground nut " " do - in flower

Pall white bushes, in wet land & dry; in flower

Blue Violets (*V. pedata*) - on plain

Blue Violets on stalks with leaves, or caulescent, on wet & dry land.
probably Muhlberg's violet.

White Violets (*V. blanda*) in wet places.

Wood Anemones } These are abundant.
Five Fingers
Venus' Pride }

Wild smooth bark cherry, is blossoming.

Shad Bushes. Larger ones have some flowers - many fallen.
Smaller ones, 18 inches high, quite full.

White bush or Pepper bush. Leaves are opening. some open.

Leafing in Hatfield much as in Northampton;
- perhaps a little behind

Many white maples by mill river in homelots.

Ash bark Walnut Tree $3\frac{1}{4}$ or $3\frac{1}{2}$ feet in diameter
in a homelot, some distance S. of meeting house, and one
by the side of it over 2 feet in diameter. Leaves opening.

Roberts Plantain - *Erigeron* Vol. Many in
blossom on a side hill, N.E. of grist saw mill.
Have been out apparently some days.

Corseworts farther East.

This White Pine Plain goes east to the old
Homelots, or thereabouts. Some houses on the Mill Road
or Road running N. & S. have farms on the Plain, from
Mill River, Northward.

Plan of Hatfield between
Main Street and Mill Road -
and between 2 roads going W.
A rude sketch - far from accurate.

There are 3 ravines running North easterly
to near road to W. Middle one very large & deep.
Road runs at end of them
Homelots against Mill River seem from 80 to 100
rods long, some may be longer than 100.
Land in N.W. part, fully & uneven.



May 1850

Tuesday 21.

Went out P.M. to get Frances' Policy of Insurance.
Rev. Sylvester Nash of Essex, Conn. Episcopal minister,
one of my correspondents, came this afternoon.
He is hunting up the Nashes far and near.

Wednesday 22.

Walked with Mr. Nash across Holyoke where
the house is; descended and continued across woods
and fields; and in the road, to Erastus Nash's and
John B. Nash's, close by Moody Corner, but in Granby.
John B. Nash, after dinner, carried us in his
wagon to several places in Granby and brought
us to S. Hadley, where I left him; Mr. Nash, went
home with him. I staid over night with
Alfred Judd; obtained information from
him and town records in regard to the Judds
of South Hadley.

Thursday 23.

Walked in the rain after breakfast to
Rock Ferry, and Mr. Nash came from Moody
Corner and met me there. We crossed the river,
and came up on the Rail Road. Mr.
Nash went up to Greenfield P.M.

The Mountain, &c.

The front or N. side is now considerably green,
but chesnuts, though all in leaf, do not make
anything but a faint green. Birches are all in
leaf, and oaks seem to be all out-full of leaves
and catkins. Some white oaks do not show much yet.
The greater part of oaks exhibit a yellowish green,
but some a whitish green, some a reddish green.

The backside of the mountain is much less
green than the front - is rather dark. The walnut
region has only swelled buds and opening buds
and a few leaves. Trees of this kind are not
green at a distance; some are greenish.
The oaks on the backside have ^{show} leaves and are
green or greenish; maples, leaves or blossoms
or both, but not many are seen.

Great-leaved poplar, on lower lands, show white
downy leaves.

Flowering dogwood is in flower on both
sides of the mountain, or rather, the involucre
are open. They are greenish, some are reddish
in part or yellowish. None are yet white. They
were of the same hues, and not white, towards
Bensonville on Tuesday.

The pedate Violet is abundant on the
mountain, in some places, but much more
plenty on the Plains.

Vegetation in S. Hadley & Granby was much as
in Northampton.

May 1850

Thursday 23.
The season.

There are complaints of the backwardness of the season from all parts of the country. The cold and wet weather seems to extend to a great distance.

Mr Nash from Saybrook (Essex) says Vegetation is about the same here as there. Persons from Boston say blossoms, &c are no more advanced about Boston, on the railroad than here. L. G. Clark says things are as forward here as they were at St. Louis a week since.

Vegetation in Saybrook, as observed by Mr Nash.

Blue bird heard March 13.

Sheep, first one caught March 16

Honey suckle, show leaves $1\frac{1}{4}$ inch long, March 19

Bunches of snow fell March 23. Bunches 28th

Robins & Sparrows heard March 24

Cherry birds April 2.

Alert tags 2 inches long, April 3

Bunches of snow April 6

Geese, my putting forth leaves April 5

Raspberries do " April 8

Red maples in blossom April 27. some full, only the red had seen in blossom.

Daffodils in blossom several days before April 27. Only garden flower in blossom

Peach Tree. One begins to blossom April 29. also more April 30. And Apricots have blossoms. More peaches in blossom May 2. Late peach trees always blossom first. Generally in blossom 6.

English cherry trees begin to blossom May 6

Plums begin to blossom May 8. & before.

Common red Cherry begins to blossom May 10

English Cherry seasons full blossom May 14

Pear Trees begin to blossom May 13

Sugar Maple. one in full blossom May 14

Apple trees at Saybrook have a few blossoms May 16

Generally about to open.

Blossoms come out slowly May 19.

Saybrook may be a little in advance of Northampton. I think it is, but the difference is not great

Apple Trees called full blossom in Saybrook May 27. One or two days earlier than here.

A man who came through N. Haven May 30, thought blossoms were about 3 days in advance of blossoms here; and at Brooklyn L.I. a week in advance.

Mr. J. P. Williston.

May 1850.

Friday, 24

Vegetation.

Blossoms.

English Cherry. Most have fallen, partly by means of the rain. Some remain.

Old Common Cherry. In full blossom. Some were so yesterday, or before. ^{Some so May 25}

Plum. Very many blossoms fallen. Part remain.

Pears. Many blossoms fallen. Most remain.

Japan Quince. Half blossoms fallen. Buds red yet.

Peach. Some trees have shed their blossoms, and some are opening. Most trees have blossoms but none are full of blossoms. The growth is less than anticipated.

Apples. Most trees, or very many, have more or less blossoms, but none are yet full.

Many are full of red buds & white blossoms. Some trees will soon be in full blossom.

Crab Apples. No trees fully out. Some have but few open blossoms.

Flowering Apple at Mr. Talbot's has some blossoms.

Flowering Almond. None are in full blossom except one bush in Fruit Street. In general not half the buds are open on a bush.

Lilac. In general, bushes have not begun to blossom. I find very few, except at Mr. Shepards, and but few of his buds are open. Those open are near buildings.

White Lilac. Begins to open near buildings. ^{Some yet - yesterday}

Horse Chestnut. But few trees have begun to blossom. Two at Brights and two at S. F. Lyman's are noticed. ^{Many May 25. (and some others.)}

Striped Maple at Wests shows racemes of green flowers.

Sassafras at Wests. Half the flower buds are open. ^{Leaves hardly open.}

Garden Flowers.

No new species of flowers.

Tulips have been opening three or four days but not many are open. More at Brights than elsewhere. ^{P.S. Many opened before night, and more on 25th. Strong smell of Tea.}

Snow flukes, Moss Pinks, primulas, &c. continue. Dwarf Iris is yet plenty - fading.

Tulips, May 25, make much more show than all the rest. Gill go over the ground is in blossom.

Whippoorwill first heard at Bensonville Evening of 19th May
Night Hawk's "peik" I heard here — May 23.

Hermit Thrush is about. I do not know his note. About half as large (or $\frac{2}{3}$) as the brown thrush. Darker color.

May 1850

Friday 24

Vegetation - continued.

Grass grows this wet weather, and presents a fine appearance here, at Granby, &c.

Orchard Grass by West's path begins to show the top or point of some panicles.

Rye shows heads in Granby, & doubtless here.

Bulbous Crowfoot showed 3 or 4 flowers in Dr. Barrett's lot or yard, May 22, and there may be 20 to-day. (See May 25.)

Hard Maple Blossoms in the village have nearly all fallen. Some trees on Holyoke retain their yellowish flowers.

Red Maples. Seeds make some ^{trees} reddish. No bright red. Some trees full of seeds. Leaves of seed trees not much green in general. Some trees are green & red mixed; and some trees have leaves reddish like the seeds.

Walked over to Hadley with Mr. Nash A.M. Came back P.M. Mr. Nash left us for Essex at 4½ P.M.

Saturday 25

I received this morning from E. B. Pratt, Boston, a certificate of deposit from the Globe Bank in Boston for 1500 dollars, for Frances's, it being the amount of Hall's Life Insurance.

Apple Trees. Some appear to be about full blossom. There are not many such.

Native Plums in Meadow are about full blossom.

Baneberry at Fort Hill generally in blossom.

Crowfoot Geranium, at Fort Hill has begun to blossom. I see no blossom elsewhere.

Wake Robin. Spathe & Spadix are very plenty on S. side of Fort Hill. Have been out some days.

Sarsaparilla at Fort Hill has small tender leaves & green flower buds.

Viburnum Lentago has cyrnes of green flower buds about an inch in diameter. At Fort Hill.

Alternate leaf Dogwood. The cyrnes & buds are not so large as those of the Viburnum Lentago. Quite small.

Early Bellstraw or Galium shows flowers at Fort Hill.

Belt's, or Nettle Tree. The blossoms have fallen, but the two prominent white styles remain at the end of the green berry which is very small. These berries or remains of the fertile flowers are near the ends of this year's shoots. The calyx of these fertile flowers remains. The sterile flowers have all fallen.

Bladder-nut. One tree at West's has opening flowers. Not so forward.

May 1850.

Saturday 25.

Ploughing and Planting in the lower parts of our meadows must be late this year. The floods and the succeeding rains have kept the land wet. Much land in the south meadow is not yet ploughed, and considerable in the lower parts of the north meadow. There will be planting in June.

Ploughing, Manuring, Planting. I observe these operations going on in both meadows to day. Many men at work. It was the same in Hadley meadow yesterday. Hadley meadow has less low wet land than ours. — Many pieces of upland (arable land) are too wet to plant, in both towns.

Winter Rye on South street lots shows the ends of the heads, and no more. Some whole heads are seen in the meadow near Fort Hill, but in general only a part of the head is seen; and on many stalks, no part of the head is visible.

Sernal Grass (*Euthoxanthum odoratum*) is very plenty. Many hornelots and other mowings have large patches, including acres in some lots, that are embrowned by the heads of this grass. The brown in many places seems a little reddish at this time.

Crowfoot or Buttercups.

Abrasive Crowfoot flowers have long been plenty — a miserable abortion.

Bulbous Crowfoot. Blossoms very plenty in Talbot's lot, near the fence, opposite W. K. Wright's lot. There are more numerous than in Dr. Barrel's lot, and must have been open earlier — before May 22. They escaped my notice.

Tall Crowfoot, or Common Buttercups. (*R. acris*) I found a few flowers to day near the Bulbous Crowfoot just noticed. First I have seen.

Fleabane No 2. (*Erigeron Philadelphicus*)

This is very plenty in N. W. part of Talbot's mowing, above the canal, just mentioned. Almost all the buds are yet drooping, but a few have opened themselves and become erect, showing their numerous, narrow, pale purple rays. In Mr. Shepard's lot, a few buds are erect, & edged with purple rays about half grown.

Foxtail (*Alopecurus pratensis*, or *geniculatus*) has heads or spikes fully out, by the brook in Mr. Wright's lot.

Season 3 days behind that of 1849, at least.

May 1850

Saturday 25

Round Hill.

Chestnuts, are all in leaf, and some are green; but many large ones are but faintly green, and at a distance hardly green at all at the top. The leaves are larger on lower limbs.

Oaks, (not white,) are more green than chestnuts, and leaves are yellowish green, and of other shades of green. Red Oaks by Joy's fence are the most advanced of any, having leaves 4 inches longer, from 3 to 4.

White Oaks have quite small leaves - the lower ones reddish, & on some trees all seem of a reddish green. Trees do not show much - perhaps as much as large Chestnuts. A few trees have not yet opened their leaves.

Flowering Dogwood. The upper one by Joy's fence is now full of large white flowers (involucres) and makes a fine appearance. Each part of the involucre has a reddish spot. I find that this species of flowers are greenish & of other hues when they first open, & that they become white afterwards. Others about here are not yet white.

Euclidas Tree, west of houses on Round Hill is full of purple buds, & a few flowers. Small leaves are seen.

Magnolia grandiflora, east of houses on Round Hill, has opening buds. The opening leaves are 3 inches long.

Magnolia glauca, at Fallboto, has opening buds; not so large as those of the *M. grandiflora*.

Magnolia acuminata (Cucumber tree) has open leaves and an abundance of long buds similar to those of the tulip tree. In Market street

Ash trees all have small leaves, but in general are but faintly green. The dark bunches are a little greenish.

Bitternut. This species of Hickory puts out leaves before the other species, but they remain some time very small. are less green than the ash.

Shagbarks put out later, but they are (or many of them) more green than the Bitternuts having larger leaves.

Butternuts have but few leaves and are not very green. The large, long male catkins contribute much to the greenness.

Beech Trees on Fort Hill have larger leaves and are more green than any other tree there. Hard maples are next to them.

Trees on the south side of Fort Hill are a little more advanced than on Round Hill.

Trees on Round Hill are very little more advanced than on the lower part of Holyoke.

Chestnut woods on Holyoke & Torr are but faintly green.

Woods on Mt. Warner are of a dirty or faint green. Also on Pelham, & Westhampton hills, &c.

May 1850.

Saturday 25

Expedition against Cuba.

Some 3000 or more of unprincipled men have sailed from New Orleans, & elsewhere, secretly, with the intention of taking Cuba from the Spaniards with the aid of some of the inhabitants. Some hundreds of these men under Gen. Lopez, landed at Cardenas, on the north side of the island, May 19, and took possession of that place. There was a great panic at Havana. News of these things arrived here this afternoon - only 6 days after the landing.

The men composing this expedition are those who had rather live by fighting & plundering than by any regular employment. Many were soldiers in the late Mexican war. There are many of such worthless characters in our country. They talk of patriotism! Doct. Johnson was not far from right, when he said that patriotism was the last refuge of a scoundrel! These piratical adventurers profess to be engaged in a glorious work - they are going to free the Cubans from the tyranny of Spain! and evidently intend to annex the whole island to the United States. They have well wishers not only in the slave states but in the free states. We have quite too many men in both sections, who are destitute of all moral principle, and who under pretence of liberty, are ready to do the most unjust and tyrannical acts, or to justify them in others. "Liberty in the United States is a fact and not a principle" - a true saying.

Will these invaders succeed? This depends upon the aid they receive from the islanders. If a considerable portion of the population favor them, they may succeed. The Spanish government of Cuba is a detestable one; the Spaniards can boast & brag as well as the Mexicans, but they will not accomplish much by fair fighting; the Americans will be too much for them. They may intercept some of the vessels of the invaders, or cut off small parties here & there, until disease comes to their aid. If the islanders do not help the invaders, they must in the end be defeated and cut off.

My desire is that this attempt to add ^{thousands} of ignorant, degraded whites, and hundreds of thousands of slaves, to our union, may be defeated. I have no sympathy for the Cuban government, but desire they may have success against these marauders.

May 1850.

Saturday 25.

California and the Slave question have long occupied our Congress. It is very certain that the people who govern the slave states are determined both to extend and to perpetuate slavery. A very much fear they will succeed in extending it. There are enough in the free states who have no principle, to give them a majority, or at least to enable them to resist successfully all attempts to restrict slavery in the new territories. As I have said on the preceding page, quoting a German: "liberty in the United States is a fact and not a principle." The greatest oppressors often make the most noise about liberty. California has a prohibition of slavery in her constitution, but if she be admitted into the Union with this clause, it is not improbable that some years hence, this will be attained, and slavery admitted there. As a general rule, I think slavery will go into every new territory where it can be made profitable. There is not moral or religious principle enough to prevent it. Yet Slavery will not last always; it will have an end. The slave holders seem desirous of annexing Cuba to the United States, in order to strengthen the slave power. And many in the free states have no higher principle, and for political and other objects, will favor the invaders. Our politics are rotten & many of our politicians.

The Immigration to California, to get gold or to make money, seems to be as great this year as it was last year. Many seem almost deranged; they sacrifice every thing to get to California. Many in the whole make fortunes, but four fifths and probably more, die, or are sick, or unsuccessful, or gamble away their earnings, and are not so well off as they would have been in the States.

Postscript to Cuba Expedition. These pirates left Gardenas the same day, after killing some, & burning and robbing, & came to Key West. It was a miserable abortion.

Sunday 26. Mr. Swift A.M. Mr. Allen P.M.

Monday 27. Rainy. Ground full of water.

May 1850.

Tuesday 28

The Sees 6 & 12. The long continued cold & rains have retarded vegetation; and especially have they retarded the business of farmers. Low lands are neither ploughed nor seeded with; and many higher ones are but partially ploughed and planted. Low gardens are not planted. Some seeds planted will never come up.

The river has risen by the rains, and the water is only 8 feet below the top of the abutment. It is not on the meadow extensively, but in some low places. I notice in the meadow that it runs through hollows in several pieces of ploughing. Much of the lower end of the meadow is covered.

A fair warm forenoon. Thermom. at 80° before shower. Warmest day this year. Shower at 12 & Thermom. 75°. At 1 and after, Thermom. 81. and 82.

Wheat & Teams are very plenty in both meadows. Farmers are trying to plough and plant.

Flowers. — many beat off by rain.

Apple Trees. Many are in full blossom, & some that first put out are losing their petals. Some not full. I think tomorrow will be the day of general full blossoming in the village.

Crab Apples — about the same as the others.

Plum Trees. Blossoms generally fallen. A few remain.

Pear Trees. Blossoms mostly fallen. Some remain.

Peach Trees. A few scattering blossoms still appear.

Quince Bushes. Blossoms begin on one or two bushes. In general, none out. None seen elsewhere. ^{by Joslin Smith's fence}

Eng. Cherry. Blossoms all fallen.

Gom. Cherry. Blossoms falling fast.

Gom. Currant. Many blossoms & many small currants.

Missouri Currant. Flowers withered. Some fresh yet.

Black Currant. Still in blossom.

Japan Quince. Blossoms $\frac{2}{3}$ fallen. Remaining ones quite red. ^{Some blossoms remain June 1.}

Twin flowers, at West & Talbot, began to blossom today.

Italian Whiswort (a Spiraea called Prim) began to blossom today. ^{at West.}

Horse Chestnuts are generally in blossom more or less, but not full yet.

Wild Cherry, umbellid, is in full blossom, or a little passed.

Wild cherry, racemed. None in blossom yet.

Lilips are in great glory today. Probably seven eighths of all the flower buds are now open, and fresh, and they make a great display.

Tall Iris. No blossoms open yet.

Single Peony (Lad's love leaf) is in blossom at West — was before ^{the day.}

Lily of the Valley in gardens, just begins to blossom or is near it.

Lilac. Purple near houses is half in blossom; that is half of buds open. Others have not $\frac{1}{4}$ of buds open. Some bushes have not begun.

White Lilac is more advanced than most purple ones.

May 1850

Tuesday 28. Flowers, &c. continued.

Bladder Nut at Wests. But few blossoms yet open.
They are increasing.

Flowering Apple at Talbots. Full of double blossoms or
almost double. [Very rich June 1st.]

Flowering Almond. Some are in full blossom.
Greater part not yet full.

Candelion. Flowers are abundant. A few
have gone to seed, show white heads - not many.

Bulbous Crocus. I see blossoms in many lots.

Tall Crowfoot, or Common Buttercups. I find blossoms
only in one lot as yet - Talbots.

Fleabanes No. 1. & 2. } No. 1 has been out some time in
or Erigerons } old pastures, and on poor side hills.
In our snowings, No. 2. is much
the most plenty, & comes out about as early as the
No. 1. or Robert's Plantain. Buds of No. 1. are erect; of No. 2
drooping. Not much of No. 2. is out yet.

Butternut trees now make a show with their
long, pendulous male catkins, 4 to 5 inches
long.

Orchard Grass at Wests. Some stems show a full head.
Carex of many kinds shows heads.

Globe Flower, yellow. (Trollius) has been out some days at Round Hill.
Rocket, white, begins at Brights; purple has been out some days.
[purple is Satin pod, not rocket.]

Leaves or Greenness.

All trees on Fort Hill & Round Hill may be
considered green, but some chestnuts on Round
Hill have tops but faintly green. Some walnuts,
ashes, &c. are not very green. Some white oaks
have but little green.

Mountain Forests, are generally green.
The green of the birches is much more vivid
than that of the oaks. The green of the oaks is a
paler green, with a slight tinge of other hues.
Chestnuts are less green than oaks. The
green on Torr & Holyoke, where chestnuts compose
the forest chiefly, is still faint or only greenish,
much brown of the branches appearing.

Locusts of four kinds (3 Robinias and 1 Gleditschia)
all have leaves, but they are small and the
trees are not green. The leaves of the Gleditschia
are very small - hardly open, not open on some.

Cilanthus is opening its leaves. Some small ones appear.

Catalpa, has green buds, & some are opening.

Syrian Heliotropus (Atropa) has leaf buds, & some opening.

Button Woods have small leaves - are not green.
The plague seems to be upon them yet.

White Mulberry has small leaves.

Osage Orange has green buds.

Trumpet Flower, at Mr. Collins, has a few small leaves.

Night Hawks, are heard here in cloudy weather, saying peck.
P.S. They continued. I heard & saw them May 31. & June 1.

May 1850

Wednesday 29

[Cont from undulay 9.

Wrote to Marvin Judd, Esq. Jefferson, Schoharie Co. May 28.
Wrote to dau. Peninnah, Augusta, Maine, May 29.
Wrote to Rev. Sylvester Nash, Essex, Conn. in reply May 29 & 30.
Wrote to Rev. John Mitchell, Stratford, Conn. May 31.
Wrote to Postmaster, Huntington, Conn. about Judds there, May 31.
Wrote to Wm. S. Porter, Farmington, Conn. in reply. May 30. finished June 3.
Wrote to Miss Mary Ann Clark, Middle Haddam, Conn. June 6.
Wrote to Abner Bryant, Buffalo, N.Y. June 7.

Thursday 30.

Wife went out to see Frances yesterday in the Stage & returned to day with Mr. Hill.

Friday 31.

Letters written after May 1850. [Continued Aug 16.

June 8. to Lewis M. Judd, Easton, Conn. Stepney P.O.
June 10 to Levi Judd, Fort Wayne, Indiana
June 10. to Postmaster, Windsor, Broome Co. N.Y. for
descendants of Allyn Southmayd Judd }
June 10 to Rev. J. L. Clark, Walbury, Conn.
June 10. to Rev. D. D. Francis, North Canaan, Conn.
June 12. to Son C. Parkman, Reading.
June 13 to Asahel Judd, Charlemont, Mass.
June 13 to Rev. Sylvester Nash, Essex, Conn.
June 17 to Rev. Burtis Judd, Phillipston, Mass.
June 18 to Son Hopson and S. J. Edwards, New York
June 19. to N. H. Griffin, Williamstown, (College) in reply.
June 20 to Apphia Peninnah, Augusta.
June 20 to C. Parkman, Reading.
June 22 to S. J. Edwards, New York
June 24. to Seymour L. Judd, Windsor, Broome Co. N.Y.
June 24 to William Adam, Esq. Canaan, Conn.
June 24 to Alva Bristol, Litchfield, Farms, Conn.
June 24 to W. S. Porter, Farmington, Conn.
June 25 to Rev. S. Nash, Essex, Conn.
June 25 to Son C. Parkman, Reading.
June 26 to Son Hopson, & power of Attorney for dividend
June 26 to Alfred B. Judd, Lockport, N.Y.
June 26 to S. J. Edwards, New York. Also 29th
June 27 to Milton Judd, Esq. Monterey, Mass.
June 27 to Marvin Judd, Esq. Jefferson, N.Y.
June 27 to Jos. H. Williams, Augusta, Maine.
June 28 to Rev. Burtis Judd, Phillipston, Mass.
June 29 to Hon. John Wentworth, M.C. Washington, in reply
July 1. to Son S. J. and family, also George Cunningham, Mass.
to John F. Judd, Hartford

Hall's Life Insurance, 1500 dolls. \$ 8

I bought for Frances 7 shares N. H. Bank @ 120. 840


8 percent on 700 dollars from April 1. to May 29 -- 9. 18.

June 18 Lent Isaac Sheldons & took his note 650.00

20 Paid to Frances 0.82

Shares and Note are in Frances name. \$1500.00

THE Subscriber has on
hand and is constant-



ly receiving
LIGHT CARRIAGES
of all descriptions. Having

ing had fifteen years experience in manufacturing. Corcoran, he said, "con-

ident that with his knowledge of the business, he can give his customers a better Carriage for the same money. Carriages, he says, are made in the same way as shoes.

money, than any other dealer of manufacturers in the State. He has made arrangements with some of the best Manufacturers in this State, New Hampshire and

Massachusetts, to supply him with carriages, and to order any particular kind of Carriage that he may not find at very short notice.

Also, **SECOND-HAND CARRIAGES** of various descriptions.

All kinds of CARRIAGE REPAIRING done at the Old Shop

South End Water Street, Augusta.
B. F. MORSE.

May 11, 1832.

TREASURER'S NOTICE—Kingsbery.

is hereby given to the non resident owners residing in the town of Kingsbery, county of Piscataquis State of Maine, that the taxes contained in the

... have remained ...
... 29th, 1850, the date of the asces

STATE OF MAINE.

LAND OFFICE,
Bangor, Aug. 1, 1852.

and interest which the State of Maine has in the following described parcels of land by virtue of the for-
feiture for non-payment of taxes, interest and charges

the year 1846, will be sold at public auction, for the year 1847, in August, at the Land Office, in Auburn, to the highest bidder, the second day of September next; and the third day of September next.

At 1 o'clock, A. M., excepting, however, all such articles or parcels upon which the amount of taxes, in

INTEREST AND CHARGE ON THE BALANCE DUE, THE COMPANY HAVE
prior to the time of sale a present

Township of tract.

9, R. 4, COUNTY OF SOMERSET.
5,561 5,561 7,123
5123 306

2, R. 2, W. K. D.,	21,220	(state and county)	987
3, R. 3,	"	"	987
"	Dennis Moor,	4,500	(road)
"	"	"	"

Remainder of said 3, R. 3, W. R. 13,	113,
2, R. 6,	9,444
4, R. 1, N. B. P.,	10,514
	227,

5, R. 3, B. P., Sandy Bay, 21,760
COUNTY OF PENOBSCOT. 231,
256

N. $\frac{1}{2}$ 3, R. 6, 4,601
5, R. 6, 5,442

To the Hon.^{ble} the Court of County Commissioners for
the County of Penobscot.

THE UMBLY* show your petitioners, that a county road in an **and** through **of** the towns of De-

ience and benefit; the courses and terms of which to be as follows, to wit:—Commencing at or near De-

tro, village in Somerset county; thence running up an easterly direction to the town line of Plymouth, near Wentworth Butte's; thence a north-easterly course

to Geo. W. Gatchell's; thence easterly by Peter Pushor's house to the road leading from Newport to Prov. We, your petitioners, pray your honors to

examine said route and locate the road. Also, that you would notify the County Commissioners of Somerset county to meet, examine, and locate, in connection

with your body. As in duty bound will ever pray.
PETER PUSHOR, and 100 others.
December 1, 1852.

STATE OF MAINE.

PENOBSCOT, ss.—Court of County Com.
August Term, A. D. 1852.

Commissioners that the petitioners are
that they ought to be heard touch-
forth in their petition, and therefore

County Commissioners meet at the Peter Pushor, in Plymouth, on Wednesday of October next, at 10 o'clock.

and thence proceed to view the said petition: immediately after

NEW WHIG TACTICS. The whigs, after fabricating all sorts of slanders against Gen. Pierce, now complain, that these slanders are met and disproved by incontrovertible evidence of documentary character, by raising the cry that there must be something rotten in a candidate who requires to be bolstered up with certificates. The whigs charged Gen. Pierce, by innuendo at least, with cowardice in the Mexican war. The Democrats showed by the testimony of the prominent officers in the army from Gen. Scott down, that his conduct and bravery were unexceptionable. To which the whigs now object, that a man cannot have been much of an officer who requires to be bolstered up by "certificates."

The whigs attacked his moral character, which the democrats repelled by an overwhelming mass of testimony showing his private life to be above reproach. The response now is, that there must be something in the character of a man that needs to be bolstered up by "certificates."

charged him with being an opposer. The democrats have shown evidence that he was a

WALDO. We learn that the democrats of Waldo County have nominated the following candidates for the State Senate: David Vinal, of Minnahan, James B. Murch, of Unity, and Charles, of Hope.

WHIG NOMINATIONS IN SOMERSET. The whig convention held at Ather, on the 19th inst. made the following nominations: Messrs. Justus A. Steward and Philander Coburn for the Senate; Henry A. Wyman, Esq. for County Attorney; Messrs. Wm. D. Hayden and J. F. Pawley, County Commissioners; and Henry P. Pratt, Esq., for County Treasurer.

LUNDY'S LANE CELEBRATION A FAILURE. The New York Herald alluding to the position of Mr. Webster's friends, that of armed neutrality, says:—"The sorrowful fact that they do occupy this position, aided and abetted by Mr. Webster himself, has already utterly paralyzed all the efforts of the Scott whigs to get up a military hurrah. Even on the very spot of the grandest, most glorious, and most sublime and attractive natural wonder upon the face of this globe, and in view of the most terrible battle fields of the last war, and with all the stimulants of a military encampment to aid them in raising a breeze, the Lundy's Lane experiment was a dead failure."

Cony Female Academy.

The examination of the Cony Female Academy was held on Thursday of last week. The scholars evinced thorough acquaintance with their several studies; their utterance (not indeed perfect) was above the general average; the deportment was a matter of universal approbation; and all visitors felt that under the care of their very faithful instructor, Mr. Welch, the young ladies were making solid advancement in the great work of education.

Prizes for English Composition were awarded to Misses Lucie E. Hasbeth, and Augusta H. Pope, of this city, and for a Botanical Collection to Miss H. M. Blackley, of Monmouth. There were other Compositions and Collections of great merit, to which the awarding committees rendered ample justice. The criticisms and comments of these committees, consisting of the Rev. Messrs. Thompson and Dalton, on the first subject, and three ladies of this city on the second, were listened to with great interest. An agreeable variety to what is usually the dull detail of an examination. Academy, one of the largest

June 1850.

Thermometer.

	Sunrise, 1 P.M., 9 P.M.			Weather	Wind.
Saturday 1.	47.	68.	47	Partly Fair. Half cloudy.	N.E.
Sunday 2.	39.	70.	52.	Mostly Fair.	N.E. & S.W.
3.	46.	74.	54	Fair & M. 1/2 cloudy P.M. & sprinkling	N.E.
4.	45.	75.	53	Fair & pleasant.	N.E.
5.	47.	83.	62.	Fair & pleasant	N.E. & S.W.
6.	54.	86.	68	Fair & warm	N.E. & S.E.
7.	55.	87.	68.	Fair & warm	S.E.
8.	56.	88.	66	1/2 cloudy. Thunder around, little Rain	S.E.
Sunday 9.	63.	85.	65.	{ Some rain in night Day mostly fair. Showers at 5 & 7 } { Some rainy A.M. a shower at 12 1/2 } { Cloudy P.M. }	{ N.E. S. N.E.
10.	62.	60.	58	Mostly Fair.	N.E.
11.	53.	69.	54.	Mostly Fair.	S.W.
12.	45.	80.	65.	Mostly Fair.	S.W.
13.	57.	83.	74.	Mostly Fair.	S.W.
14.	61.	84.	68	Mostly Fair.	N.W.
15.	63.	86.	68	Mostly Fair.	N.E. & S.E.
Sunday 16.	50.	74.	63	Fair	Southerly.
17.	49.	78.	65.	Fair	S.
18.	54.	84.	73	Fair	S.E.
19.	66.	90.	75.	{ Fair in P.M. Hot. some Thunder showers S.E. }	{ S.E. & S.W. N.W. & S.
20.	68.	88.	69.	{ Fair & hot A.M. Cloudy and Thunder showers P.M. }	{ S.W. N.W. & S.
21.	65.	85.	68.	Fair and pleasant	N.E.
22.	57.	78.	62.	1/2 fair 1/2 cloudy	N.E. & S.W.
Sunday 23.	60.	74.	66.	{ Rainy night and morning Day 2/3 cloudy, 1/3 fair }	{ N.E. S.W.
24.	60.	78.	64.	Fair	N.W.
25.	53.	78	58.	Fair	N.W.
26.	48.	78.	64	Fair	N.W.
27.	55.	82.	70.	Fair A.M. Cloudy P.M.	S.W.
28.	64.	72	68.	{ Some rain in night Day Cloudy }	{ not observed N.E.
29.	67.	86.	76	{ Rainy night & morning Day 1/3 fair. 1/3 cloudy }	{ N.E. N.W.
Sunday 30.	70.	87.	72.	Fair	N.W.
1676. 2390 1935					
July 1. Monday	68.	90.	74.	Mostly Fair. Showers around.	N.E.
2 Tuesday	68.			Cloudy morning. Rainy P.M.	N.E.

Temperature of June

At Sunrise	55 ²⁶ / ₃₀	} Average 66. ⁶¹ / ₉₀
At 1 P.M.	79 ²⁰ / ₃₀	
At 9 P.M.	64 ¹⁵ / ₃₀	

June 1850

Saturday 1.

The Season. (Not as to Apple Trees, but all vegetation.)

Vegetation has not been so backward on the first of June for many years; certain, not for 12 years previous to 1850. We have had in May much cool and cloudy weather, and a great deal of rain. The earth is saturated. The same coldness and rain have been experienced far and near, and there have been many floods, & much damage done. The backwardness of the season is complained of in the southern and western states as well as in the northern.

Comparison of June 1. 1850 with June 1 in the twelve preceding years, or rather with the same state of leaves & flowers in preceding years.

Apple trees	leaves and flowers, June 1. 1850, were as	Temp. of day 1850	50° $\frac{89}{93}$
May 1850	May 27. 1849, or 5 days later.	Temp. of May 1849.	54° $\frac{56}{93}$
May 1850	May 19. 1848, or 13 days later.	" of May 1848.	60° $\frac{70}{93}$
May 1850	May 26. 1847 or 6 days later.	" of May 1847.	55° $\frac{47}{93}$
May 1850	May 14. 1846 or 18 days later.	" of May 1846.	57° $\frac{68}{93}$
	May 16. 1845 or 16 days later.	" of May 1845.	54° $\frac{38}{93}$
	May 12. 1844. or 20 days later.	" of May 1844.	57° $\frac{20}{93}$
	May 27. 1843 or 5 days later.	" of May 1843.	55° $\frac{14}{93}$
	May 20. 1842 or 12 days later.	" of May 1842.	57° $\frac{26}{93}$
	May 29. 1841 or 3 days later.	" of May 1841.	54° $\frac{6}{93}$
	May 18. 1840 or 14 days later.	" of May 1840.	56° $\frac{13}{93}$
	May 20. 1839 or 12 days later.	" of May 1839.	55° $\frac{11}{93}$
	May 30. 1838 or 2 days later.	" of May 1838.	54° $\frac{1}{2}$

(Difference of the extremes 20 days. June 1. 1850. is more backward than any of the 12 preceding first of June: and the thermometer was lower in May, on an average, than any of the 12 preceding Mays.)

Vegetation, however, on the first of June, or latter part of May, does not correspond with the temperature of May. That it does not, may be readily seen above. One reason for this, is, that the temperature of April has much influence on vegetation in May, to the first of June, and later. For example, May 1842, was the coldest May in the 12 years preceding 1850; yet vegetation was more advanced June 1. 1842, than in several other seasons; because April 1842 was warmer than most Aprils in the 13 years. In the comparison some of the seasons do not include half of May, some not two thirds, &c.

The coldest May at Waltham from 1825 to 1838, was May 1832, viz. 51° 66. or 51° $\frac{2}{3}$. We may conclude that there has been no May in 25 years so cold as May 1850. The temperature of Waltham does not differ much from that at Northampton. See end of May 1838, and 1839.

Temperature of May 1850 here is 50° $\frac{89}{93}$. near 51°.

Lat. May 1851, 55° $\frac{11}{93}$. May 1852, 56° 40 - May 1853, 56° $\frac{53}{93}$ - May 1854, 57° $\frac{2}{93}$
May 1855, 54° $\frac{1}{2}$ - May 1856, 52° $\frac{49}{93}$ - May 1857, 52° $\frac{6}{93}$ - May 1858, 53° $\frac{2}{93}$
May 1859, 56° $\frac{56}{93}$ -

June 1850.

Saturday 1.
Vegetation.

Blossoms on Trees and Shrubs.

Apple Trees. These began to blossom May 15, and increased until May 29, or thereabouts. The full blowth seemed to be May 29, as near as I could judge, as to this village. Yet the four days, May 28, 29, 30 & 31, might be called days of full blowth. The weather was cool and the blossoms changed slowly. Yet many fell on all of these days, and trees that first put forth have lost very many blossoms; some have lost the greater part; but new ones continue to open on later trees. Now June 1, very many trees are in full blossom, and the diminution of blossoms is not very great, but is real. Some blossoms turn brownish on the trees.

Crab Apples differ little from the others.

Plum, Pear & Peach blossoms are still seen on some trees, but have generally disappeared.

Old Red Cherry. Some trees have lost all their blossoms, and some retain many.

Quince Trees. I saw about the village perhaps a dozen blossoms May 31, but none on Mr. Shepard's trees. (I do not include the early trees back of Justin Smith's barn have not included them in past years.) Mr. Shepard's trees began June 1st, and there was some increase elsewhere.

Horse Chestnuts are in full blossom or very near it, and make a fine appearance with their flowery pyramids.

The species with leaves in 5s, & flowers shaped differently from the others, (the cluster is different and the separate flowers are different) is also in blossom, but not full. It is at Bright's. Only one tree.

Purple Lilacs. I have in years past considered these and Horse Chestnuts as in full blossom about the same time. But the lilacs are behind, this season, a little. Where they are near buildings with a sunny exposure, they are near full blossom, but want one or two days of it; and more of cloudy, cool weather. In other situations from $\frac{1}{4}$ to $\frac{3}{4}$ of the buds are open.

White lilacs are near full blossom; are like the purple ones near buildings.

Persian Lilacs. A few blossoms on Round Hill May 30. None observed elsewhere, until later. Very few seen any where June 1. None at Talbot's and Wedder Woodwards. Very few at West's.

Mountain Ash. Tree at Hineckley's began to blossom May 30. No blossoms seen elsewhere.

Spiraea called Prinn. Perhaps $\frac{1}{4}$ of the buds are open.

Judas Tree on Round Hill is in full blossom, and is very gay. A few blossoms falling.

Flowering Almond. Some full & falling & falling. Some full and fresh.

June, 1850

Saturday 1.

Blossoms—continued.

Pyrus arbutifolia began to blossom at Mansion House and elsewhere May 30. How this plant is by the highways & in fields, I know not.

Upright Honeysuckle (*Azalea nudiflora*) began to blossom at Mansion House, May 31. No blossoms observed elsewhere.

Fly Honeysuckle, or Twinflower, began to blossom May 28, but only a few are open yet—no one bud in 50 is open.

Bladder-nut at Wests & Fort Hill. Some bushes have $\frac{2}{3}$ of buds open; others from $\frac{1}{4}$ to $\frac{1}{2}$. Not in full flower yet.

Mountain Maple at Wests continues in full blossom.

Hebe at Talbots is full of blossoms.

Wild Cherry. The umbelled flowers are falling and fallen, though many remain.

Wild Cherry with racemed flowers. The low species at Fort Hill began to blossom, May 31. Only a few blossoms seen on two or three shrubs. The taller trees are later—show no blossoms. How these shrubs are on the plains, I know not. A few more racemed blossoms at Fort Hill, June 1.

Matrimony Vine. A few flowers, May 31, on a low plant. None seen on the high ones. (P.S. Some at H. K. Wrights.)

Barberries began to blossom May 30; in this cold weather there is not a fast increase of flowers. But few barberry blossoms open yet.

Thorn Bushes in the vicinity of Mill river and Rail Road have been in blossom some days. Some bushes are considerably white. (One at Talbots, but few blossoms.)

Hawthorns. Three or four blossoms noticed on a tree at Wests, May 31, and about as many more at Brights. Some increase, June 1.

Tulip Tree. Shows flower buds $1\frac{1}{2}$ inch in length and $\frac{1}{2}$ inch in diameter. 3 and four leaves have come out in connection with one bud; and in some places 5 or 6. Leaves come out below the buds.

Sassafras flowers at Wests are not all open. The flowers come out in racemes, several together below the leaves, and at the base of the recent shoots. The leaves are hardly open yet, but of some size.

Hornbeam & Iron Wood } Both of these have shed most of their sterile catkins, and the fertile leafy catkins now show themselves at the ends of the twigs. Fort Hill.

Beech Trees at Fort Hill. The sterile tassels of flowers remain on sometimes, but are falling. The fertile flowers are on short stiff footstalks, at the ends of the twigs, have already changed into small nuts.

June 1850

Saturday 1.

Blossoms, &c. continued. Catkins, &c.

Butternuts are full of long, green, sterile catkins, from 3 to 5 inches in length, and as large as my little finger. They began to fall, May 30, and have continued to fall from some trees, but almost all still remain on most trees, - and all on some. The fertile flowers are at the ends of a shoot, and they now show their red cleft stigmas.

Shagbark Walnuts are now full of catkins, which are sterile or male. These pendulous catkins are generally in 3's. The female flowers are not yet developed, at the ends of the shoots, the males having but recently become pendulous, and some are not yet pendulous.

Bitternuts. These have smaller leaves and smaller catkins, as yet, than any other Hickory. The leaves are only an inch long and $\frac{1}{3}$ as wide or less; and the catkins are about $\frac{3}{4}$ of an inch long, and very small. The fertile flowers are not visible, though one can see where they will be. A shagbark leaf is now many times as large as a bitternut leaf. Catkins not more abundant than chestnut catkins.

Chestnuts. These trees, with leaves from 2 to 4 inches in length, at Fort Hill, are full of little catkins on the recent shoots, among the leaves, from 1 inch to $\frac{1}{2}$ inch in length. The fertile flowers are not visible, and will not be for some time; nor are the male flowers developed. Catkins stiff. Same plenty at Round Hill; and rather pretty, when an inch long.

Pignuts on Round Hill show catkins. Some are short & stiff and some trees have them longer and dangling. The place where the fertile flower will be is seen.

Shrub Oaks, back of Round Hill are full of catkins which are green, and from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch in length. The leaves are $\frac{3}{4}$ of an inch long, and are now as regularly shaped as a chestnut leaf, & much like a chestnut leaf. This is evergreen oak.

White Oaks on Round Hill have catkins from 1 to 2 inches in length and some 3 inches. The leaves are pale green or whitish, or reddish, in general from one to 3 inches in length. Some they have just opened their leaves, beyond Round Hill. White Oaks do not add much to the greenness of the forests yet, their leaves exhibiting only a faint green, when they are green; and many trees have small leaves, leaves are downy.

Red Oaks & others, at Round Hill fence & woods, exhibit abundance of catkins, not fully developed yet.

White Birch, Deltoid Leaf, back of Round Hill, retains many of the male catkins, but they are falling. They hang at the end of twigs, and below them on the twigs are very delicate female catkins, about $\frac{3}{4}$ of an inch long.

A White Birch with ovate leaf stands on E. Fort Hill not far from West Brick glass hot house. It has no catkins, but large leaves. This mountain birch is rare on lowland. [See May 8. 1851.]

June 1850

Saturday 1st

Herbaceous flowers, in Gardens, & elsewhere

Tulips continue full and fresh. Their glory is not diminished, except a few at Brights which came out first. There is so much cloudy weather that they have been open but little for some days past, and have manifested but little of their splendor. They have been in full blossom two or three days, or more, and in general are so still. ^{When the sun shined June 1, they were in great glory at Talbot's, & all the specimens - all fresh & well shaped.}

White Daffodils (if they are daffodils) still continue in gardens, and seem in good plight. Some have only 6 petals and a small yellow cup; others have more petals, being partially double.

Snow-Flakes (*Leucojum vernum*) are plenty and are a delicate neat flower.

Moss pinks are still fresh and showy.

The Pale Tall Iris is in blossom at Wests; began May 31. The blue Iris (except the dwarf) is not yet in flower. Dwarf is fading & disappearing.

Ribwort Plantain - had many blossoms, in the Round Hill mowing, May 30; but only a small part are yet in flower. It is abundant in that lot.

Poke Root, in a lot east of Maple Street, is plenty and shows a few flowers. (*Veratrum Viride*)

Veronica serpyllifolia. This little plant is most abundant in one or two lots east of Maple Street, and makes many spots whitish. ^{Plenty elsewhere.}

Sarsaparilla at Fort Hill. I found that the buds connected with one plant had begun to blossom. Some scapes bear 4 or 5 umbels of flower buds, though generally 3.

Baneberry. The flowers at Fort Hill are yet white, fair and full. Perhaps waning a little.

Celandine } These flowers continue plenty and will
Periwinkle } for months.
Violets }

Erigeron or No 2 in mowings is much more plenty than No 1. and about as much advanced. *Fleabanes* But few No 2 flowers have rays fully developed. makes no show yet.

Dandelions. Yellow Blossoms are very plenty, and many have gone to seed.

Bulbous Crowfoot. Flowers are very plenty. Make yellow spots. Common Tall Crowfoot. Flowers are seen in several lots, but only a few are open. make no show. Are hardly noticed.

Crowfoot *Geranium*. I have seen none except at Fort Hill. ^{P.S. Two or three blossoms elsewhere today. More - 5 or 6 by Rail road near Ann Clark's lot.}

Polygala pauciflora } These flowers are yet abundant
Wood & Thymone } at Round Hill. The earth nut-flowers
Ground nut } are in great profusion, back of the
a Panax } hill, towards or near the watery valley.

June 1850

Saturday 1.

Flowers on Herbaceous plants - continued.

Gold Thread continues in blossom at Round Hill, fading.
Tricentaria Americana - Flowers plenty on Round Hill.

Solomon's Seal, two leaved, begins to blossom on Round Hill.
Solomon's Seal, clustered or *racemosa*, is abundant at Fort Hill, but not yet in blossom. One is near blossoming.

Shad bush, a foot high, still has blossoms at Round Hill.

Saxifrage. The early still shows white blossoms in some places; the tall shows yellowish blossoms by the clingle, N. of Hartung's house, but most are faded.

Potentilla a common five finger. } These will long continue to
Venus Pride. } show their blossoms.

Perfoliate Bellwort { or *Uvularia* } is near blossoming. Round Hill,
or large Bellwort }

Honeysuckles. None of the climbing Honeysuckles are in blossom. A bush on Round Hill, east of & close to house, is the nearest to blossoming. The wild Honeysuckle back of Round Hill, has reddish buds like the others, viz. the *Conicera parviflora*. [This not herbaceous.]

Double Buttercups, Blossoms are abundant in Wells' garden.

Silene or *Lychnis* genus. Some flowers are seen belonging to one or both of these genera - calyx inflated.

Rockets. A few flowers are seen.

Primulas, are generally faded, or gone; some remain bright.

Yellow Globe flower - is common enough. Has been out sometime.

Spiderwort. There are flowers at Talbot's, & have been a day or two. Seem rather imperfect.

Spiked Indigo Weed at Wests. No blossoms yet.

Barbarea Vulgaris. This gay plant shows its yellow blossoms in abundance on high and low land. It seems to like the side of a ditch or brook.

Yellow Alexander. There are not plenty - will not be.

Garden Strawberries are very full of blossoms.
many blossoms on wild ones in fields & open woods.

Field Sorrel makes many reddish spots in meadows and elsewhere.

Lily of the valley in gardens, has very few blossoms.

Shepherd's Purse. Flowers continue abundant. Stems 2 feet high, more

Shrubs & their blossoms, & Trees.

Snowballs show greenish balls, or half balls, but they are rather loose yet and not compact.

Dogwoods at Joys and Brights. Flowers are now generally white and handsome. One tree by Joy's fence in the shade has greenish flowers yet, or rather involucre.

Mountain Maple bushes at Round Hill (west of buildings) just begin to blossom.

Whortles. The high at Wests seem to be in full blossom.
Low sorts are in blossom, 2 or 3 sorts on Round Hill.

Poison Ivy. Shows green panicles of flower buds.

June 1850.

Saturday 1.

Grasses, &c.

Clover, Red. A few red heads were seen in Dr Thompson's lot, close to Edwards meeting house alley 30, and two heads at the S.W. corner of his lot. None noticed elsewhere. Now June 1. There are 30 or 40 heads by the meeting house, and 5 or 6 at lower end of lot. I do not notice a single red head elsewhere. Some heads red one side are in Mr. Shepard's lot.

White Clover. No blossoms found.

Orchard Grass at West's. Some stalks show the whole head and a little more; others the head only, and many only part of the head or panicle.

English Grass (*Poa pratensis* & *trivialis*) shows panicles in fields & mowings, but makes no show except by buildings, fences, roads, &c. It merely looks green in mowings, and panicles are not developed enough to alter the color. In Dr. Walker's upper mowing, which is high & dry, *Poa* forms a large share of the grass at mowing time, but panicles are not at all conspicuous now, though visible to one near by. Very many are out, but they are green.

Vernal Grass (*Euthoxanthum Odoratulum*) makes more show than any other and all other grasses, (the general green excepted, & it makes much of that) & grows on almost all kinds of uplands, but likes a moist land. Our homelots are all colored with it, of a dark brown, or reddish brown, in many extensive spots, embracing the greater part of very many lots. I often find it in open woods, in pastures, &c. This is the only proper grass whose panicle distinguishes it from the common green of our mowings, as yet.

Some of *Carex* genus, or sedge grasses, make brownish spots in swampy places, as in the lower part of Mrs. Weller's mowing.

The early *Poa* (*Poa annua*) seems not ^{to} compose much of the grass of our mowings. It is more about our gardens & buildings, by paths, & may be in pastures, though it seems to like a rich soil. It likes moisture. There is abundance of panicles in Mr. Shepard's wet garden.

No other grass proper, shows heads. Much of the feed of the cows in the streets is *Poa pratensis* & chiefly the leaves. *P. Trivialis* may not be so early as *P. pratensis*, grows on wetter ground.

P. Trivialis & *P. annua* } These make yellow spots in mowings.

Buttercups, *bulbous*, } make some blue spots.

Blue violets (*V. cucullata*) make some blue spots.

Veronica or *Speedwell*, } make some white spots in mowings & pastures.

and Venus Pride

Summer & Fleabanes do not yet color the mowing grounds.

and Cowfoot Geranium

Abortive *Crowfoot* is plenty in grass grounds, but it makes no show any where. Its flowers are abortions. I see much of it in open woods.

Hopecurus. This meadow foxtail grass is not plenty enough to be of any account.

June 1850
Saturday 1.

Trees and Shrubs not green.

Button wood. The trees have but few small leaves. Very many limbs and twigs show no leaves. The old disorder is upon them. The trees are neither green nor greenish. Some young trees are in better plight, but all are disordered.

Piperidge. The tree back of Round Hill has opening leaves + small leaves - not green.

Common Locust (*Robinia pseudoacacia*) is full of small leaves, & trees are a little greenish, not much.

Clammy Locust - about the same. (*R. viscosa*, Rose Acacia, (*R. hispida*) has small leaves. A low shrub.

Eleditschia Toriacanthus } The leaves are opening -
or Thorny Locust } some are open on young trees, perhaps on large ones.
The trees show no green at all.

Ailanthus has reddish leaves in bunches; some 3 inches long. Trees not green nor red.

Magnolia grandiflora, Round Hill. Has large opening leaves in bunches. Tree not green.

Magnolia glauca. Talbot's. Tree less green than preceding.

Catalpa. Leaf buds opening - small. No greenness.

Syrian Hibiscus. Shows leaf buds. No greenness.

Osage Orange. Very small buds. No greenness.

White Mulberry. Has small leaves + spikes. Little greenish.

Mulberry on Round Hill. Black? Shows opening leaves + spikes. Not green nor greenish.

Trumpet Flower. Has very few leaves. Not green.

Trees slightly green, or only greenish.

Bitternuts - have very small leaves

Some Walnuts, besides Bitternuts, are not very green.

Some Ash Trees have but small leaves - are greenish.

Chesnuts on Torr & Holyoke. The chesnut regions on both mountains are not fully green; much brown is mingled with the green.

Red maples. Some show more rusty color of seeds, than green of leaves.

One of Bright's English Oaks has not open leaves - only opening leaves.

Some large Elms have small leaves, and not a full foliage - are greenish, or perhaps thinly green. have a light foliage as yet.

Some White Oaks are hardly greenish.

June 1850.

Saturday 1.

Farm labors. Farmers have not been delayed so much in planting and sowing for since any years, perhaps for a quarter of a century or more. Those on the hills as well as those who cultivate meadows or river valleys, have been much hindered in ploughing, &c.

Our meadows were full of men & teams to day. There was some sunshine, & the land seemed to dry fast. They were ploughing, manuring, planting. Whether they sow at this late season, I do not know - probably not. They plant corn, broomcorn, & potatoes.

Several pieces of plough-land in each meadow is not yet ploughed, & will be ploughed & planted next week. There will be considerable planting in Young Rainbow and in the lower part of North meadow, and in South meadow, and on moist upland, next week, or the first week in June.

The corn planted 2 or 3 weeks since is coming up or is up - it will not rot in the ground. The upper part of the meadow was planted some time ago, and much of Hadley & Hatfield meadows.

The largest corn I have seen is a piece of Mr. Wests, an acre or two, on his home lot. It is about large enough to hoe the first time; ^{hoed June 6.}

No corn in the meadow is large enough to be hoed, - and not much any where.

Gardens.

Some of these are not yet made - not planted. Many early corn, beans, cucumbers & squashes, planted 13 did not begin to show themselves above ground until they had been planted 17 or 18 days; and indeed but few are up now June 1. after being planted 19 days. Probably most of them never will come up.

Beets, Cabbage & Lettuce came up in less than 10 days.

Size of Fruits.

I used to give the bigness of fruits the first of June, but now they are in general about what they were when the blossoms adhered to them.

Gooseberries are the largest fruit, $\frac{2}{3}$ grown or over $\frac{1}{2}$.

Currants. Some are $\frac{2}{3}$ grown. Many blossoms yet.

Eng. Cherry. Are from $\frac{1}{8}$ to $\frac{1}{4}$ of an inch in diameter. ^{Some may be a trifle larger.}

Yellow Currant. Berries are very small. Some flowers yet.

Black Currant is still in blossom - full or a little past.

Some Gooseberries are still in blossom, at Boies.

June 18.50

Saturday 1.

I have been very particular in regard to vegetation and the season this first of June, because such a first of June, or so backward a season, does not occur, perhaps, once in a quarter of a century.

Elm Seeds. Seeds of the Common, Slippery, and English Elms have been falling a few days past, but many remain on the trees. More of the common Elm seeds remain than of the other species. Perhaps only the blasted imperfect seeds have fallen from the common elm.

Maple Seeds. The White Maple seeds seem almost fully grown, but they are quite green yet - not ripe. They are larger than the seeds of the other species. The Red Maple seeds, on long stems, are a little reddish or rusty. Some are greenish. The Sugar maple seeds, on long pedicels, are yet green, and not fully grown.

Celastrus Scandens. This shows clusters of flower buds quite small. One of these climbing plants attached to a chestnut, on E. side of Fort Hill, not far from West's brick hot house, is from $1\frac{1}{4}$ to $1\frac{1}{2}$ inches in diameter for 15 feet. Not far distant is a grape vine from 2 to $2\frac{1}{2}$ inches in diameter.

Rhubarb Pies. Wife & Mrs. Shepard first cut Rhubarb for pies yesterday. Some people cut it sooner; but not in general, on moist land like King's.

Fire has been necessary for comfort every day, or some part of every day, as yet. Wood has gone off fast.

P.S. Fire continued necessary until June 3d, and in the morning was comfortable after June 3.

June 1850

Saturday 1.

See N.B. May 1. 1849
or May 1. 1850.

Apple Blossoms. May 18. 1849, has dates
of the beginning of apple blossoming for 15
or 16 years. I now add the time of full bloom for
13 of the same years, in Northampton, or since 1838. Also
at Worcester & Mansfield (Mass.) for 9 years full bloom & beginning.

Year	Northampton	Worcester	Mansfield	Southampton
1838	May 40	May 27	May 30	May 28
1839	May 6	May 16	May 18	May 16
1840	May 2	May 16	May 17	May 11
1841	May 21	May 28	May 26	May 24
1842	May 6	May 17	May 19	May 9
1843	May 15	May 22	May 22	May 14
1844	April 29	May 9	May 11	May 2
1845	May 5	May 14	May 21	May 8
1846	May 1	May 11	May 15	May 4
1847	May 15	May 23	May 28	May 22
1848	May 6	May 16	May 19	May 9
1849	May 16	May 24	May 29	May 26
1850	May 15	May 29	June 3	May 25

Full blossoming of Apple Trees before 1838.

Northampton is taken from Joseph Clarke - some
years omitted by him. His full blossoming lasted some
days, and so is rather indefinite. Mansfield
is taken from a newspaper of 1846. Waltham is taken
from N.E. Farmer, 1830. A few beginnings from Roxbury Farmer.

Full Blossoming.

Year	Northampton	Mansfield	Waltham	Roxbury
1800	May 17	May 17	May 17	May 17
1801	May 17	May 17	May 17	May 17
1802	May 20	May 26	May 26	May 26
1803	May 15	May 22	May 22	May 22
1804	May 9	May 22	May 22	May 22
1805	May 13	May 14	May 14	May 14
1806	May 27	May 27	May 27	May 27
1807	May 27	May 27	May 27	May 27
1808	May 9	May 18	May 14	May 14
1809	May 24	May 25	May 24	May 24
1810	May 16	May 19	May 28	May 28
1811	May 15	May 18	May 18	May 18
1812	May 31	June 2	June 6	June 6
1813	May 25	May 25	May 27	May 23
1814	May 14	May 15	May 15	May 15
1815	May 26	May 27	May 27	May 25
1816	May 23	May 28	May 22	May 18
1817	May 21	May 23	May 23	May 12
1818	May 31	May 29	May 28	May 25
1819	May 24	May 25	May 31	May 19

Mansfield is set down twice through carelessness.
Some of Roxbury must be
erroneous.

COMPARATIVE LATENESS OF THE SEASON.—Mr. Elias Bassett, of Hamden, Conn., has sent to the New Haven Journal and Courier the following statement of the date in each year for the last thirty years, of the blossoming of apple trees in that place.

Year.	Date of Blossoming.	Year.	Date of Blossoming.
1857.....	May 27	1842.....	May 13
1856.....	" 25	1841.....	" 25
1855.....	" 22	1840.....	" 15
1854.....	" 19	1839.....	" 13
1853.....	" 17	1838.....	" 27
1852.....	" 24	1837.....	" 28
1851.....	" 16	1836.....	" 20
1850.....	" 28	1835.....	" 25
1849.....	" 25	1834.....	" 12
1848.....	" 14	1833.....	" 11
1847.....	" 23	1832.....	" 22
1846.....	" 11	1831.....	" 14
1845.....	" 12	1830.....	" 5
1844.....	" 6	1829.....	" 20
1843.....	" 21	1828.....	" 15
		1827.....	" 13

June 1850
Saturday 1

Apple Blossoming - continued. Full.

Full, Northampton, Mansfield, Wilttham						Roxbury	Mansfield
1820.	May 14.	May 17	May 22	May 14	May 17	beginning	Full
1821.	May 26	May 27	May 27	May 13	May 15		
1822	May 14	May 15	May 15	May 9.	May 15		
1823	May 20	May 23	May 25	May 19	May 23		
1824	May 15	May 19	May 23	May 16	May 19		
1825.	May 13	May 15	May 15	May 8	May 13		
1826.	May	May 15	May 16	May 11.	May 15		
1827.	May 16	May 17	May 18	May 4	May 17		
" 15.	1828	May 17	May 18		May 17		
" 20	1829	May 21	May 22	May 15	May 21		
" 5	1830	May 9	May 7				Mansfield is down twice
" 11.	1831	May 14				Full	
" 22	1832	May 31				Mansfield	
" 11	1833	May 12				May 22	
" 12	1834	May 20	Southampton			(Beginning)	Goshen
" 25	1835	May 29	May 27			May 19.	
" 20	1836	May 21	May 21			May 12	" 16
" 28	1837	May 30	May 30			May 22	" 4.
			A. Bing.			Roxbury	
						1838 May 17.	

P.S. Southampton is about with Northampton, except 1844
 Goshen is from 5 or 6 to 15 or 16 days behind Northampton - average 8 to 10 -
 1844 Goshen is 10.776 - average here seems only 7 or 8 behind N.H.
 1834 begun early - Cherry April 17, Peach 19. Cold after. (See H. G. Apr. 30. 1834)

The time of full blossoming is somewhat uncertain; and men viewing the same orchards will differ. Sometimes, as this year, three or four days may be considered as days of full bloom. Some men who record such things are very careless, and show a want of discrimination.

I mean by "in full blossom", as applied to apple trees or other plants, the time when they have more blossoms, than at any other time - meaning more sound, unfaded blossom.

The most backward season in the last 50 years, was in 1812, judging from the apple trees, and other things. 1818, 1837 and 1850 were very backward springs - and apparently 1832. But these cold springs are not always in the most unproductive years. The productiveness depends on the summer months, and the delay of frost in the fall. Indian corn was cut off by frost in 1812 & 1837 to a great extent. It was a good crop 1818.

June 4. A man from Boston says the apple blossoms are much more plenty at Brighton than here - that the season is more forward here than there. He may be in error.

June 1850.

Sunday 2 Mr Swift Arr. Bible agent P.M.
Sacrament. 7 admitted to church.

Monday 3.

I walked out to Shepherd's Factory, A.M.
and back. Went to see the widow Richard Misk
for her S. Ash.

By road to Factory &c

Pyrus Arbutifolia is in flower all along on the
plains; shrubs from 6 inches to 2 feet high. Probably
began to blossom as early as May 30 or 31.

Wild Cherry. The umbellated, smooth bark species has
not shed all its blossoms. Some trees are whitish now

Wild Cherry. The low, racemed species has begun to
blossom on the plains. shrubs about 1½ to 2 feet high.
Has not had blossoms more than one or two days.
Some handsome cylinders of flowers, but not many complete yet.

Whortles. The low (blue) bushes are full of blossoms on the plain
and one or two species of taller ones show blossoms.

Shadbasher. Low ones have a few blossoms, yet on plain

Thorn bushes. Some are in blossom, & whitish, and
some are not in blossom yet.

Dogwood. I saw one or two with white involucres.

White Oaks. Large trees in fields have whitish
downy leaves from 1½ to 2½ inches in length,
and green catkins 1½ inch in length. Some
smaller ones are quite white, or as white as
the *Grandidentata* poplar when the leaves first
show themselves. Small trees generally have
reddish leaves, however. In the woods, white
oaks are reddish below and whitish or greenish
above. There is more green about white oaks
in the woods, but most of it is pale green.

Shrub Oaks on the Plains.

Bear Oak, or *Quercus ilicifolia*, with a five lobed leaf
is full of small leaves, and red catkins about 2½ inches long.
This is the tallest oak of the shrub oaks.

Chinquapin Oak, or *Quercus chinquapin*, with a dentate
leaf, is not so forward as the other. Catkins green and
an inch long.

Chesnuts on the hills west and northwest are
like those on Mts Tom & Holyoke, green, but
exhibiting much brown from the branches.

Apple Trees in the western part of the town, where
I went, are two or three days later than in
this village, I judge. Very many are in full
blossom, & whiter than any I have seen here.
Flowers are falling, but are not much passed the full.

Sweet Ferns. Catkins are brown & falling. The green
fertile catkins are seen; & some of them that are reddish.

Glowfoot Geranium } A few of these flowers are seen
Hobbit Plantain } by the sides of the road. Not many
Bristled Toad Flax }

Barbarea vulgaris } are plenty on low meadows, towards
Gochar & Xen Das } All the way back of Solo. Warner's & higher.
The Barbarea is in wet places.

Two-lips are in the same meadows; a few blossoms
still remain.

White Flowers are not conspicuous by the road & edge
of woods, except apple blossoms. Wild Cherries, and
Thorn bushes do not make a show now

June 1850

Monday 3

Road to Woollen Factory, continued.

Vernal Grass shows itself all the way, especially in wet or moist mowings, & is not plenty on the plain. Some is seen in pastures. This grass is not seen on lands recently laid down to grass. It is on old sward. I saw it in some hollows, ~~above~~ which it did not appear much.

Tall poa with panicles I found in low places even in water, in the Mill River meadows back of Damon (Warners). This I think must be *Poa trivialis*. It is certainly *P. trivialis* or *pratensis*, and I think the latter does not grow in wet land. Yet one of these species, quite tall, is often found near water, and seems to like wet ground.

Poa compressa with panicles I find on the plain and elsewhere.

Coltsfoot I found by the road below the old Cooks Factory! It had all gone to seed, but white heads remained.

Rye on the Plains shows heads generally. Some heads are wholly out, but very many show only half or two thirds of themselves, and some still less, or none. These light crops on the plains are no more forward than stouter rye, or not so forward.

Corn. I saw none up, except in gardens. Yet some may be up on the plains.

Water Cress (purple nodding flower) begins to blossom in Mr. Stoddards Blackpole mowing.

Lousewort is abundant in same mowing near S.E. corner. Has purple flowers at the top of the spikes. The lower ones have long since fallen. The top continues to elongate.

Poplars, great tooth, above Damon's Mill. The males have whitish leaves on the lower, and are almost destitute of leaves on the upper part. The females are full of long catkins, 4 to 6 inches, greenish, with cottony substance adhering to them. Leaves are whitish and sparse.

Worms nests. I noticed but two today on Wild Cherry. They are very rare on apple trees, hardly seen at all.

Young Robins. I saw those which had left the nest today on Round Hill. - Seen in Mr. Shepards lot June 4. Night Hawks continue to pass over towards night with their Peik noise. They fly to N.E. Some seen June 4.

June 1850.

Tuesday 4.

Vegetation, in and about the village.

Apple Blossoms have fallen very fast for three days past, especially June 2 and 3. More than half have fallen; in some orchards $\frac{2}{3}$ or $\frac{3}{4}$. Yet there are trees still in full bloom. More blossoms adhere to trees near Elm Street, and in the higher parts of the village than in the lower parts.

Grain Apple blossoms are all gone. They fall sooner than others. Flowering Apple blossoms are fading & falling.

Quince Blossoms. From $\frac{1}{2}$ to $\frac{2}{3}$ of buds are open on many trees - perhaps $\frac{3}{4}$ on some and only $\frac{1}{4}$ on some. $\frac{2}{3}$ of Mr. Shepard's are open.

Horse Chestnuts are certainly in full bloom and I think they were yesterday. I see no faded flowers. A few trees that came out early began to shed a very few blossoms yesterday and a few have fallen today, but the pyramids of flowers appear whole, and vacant places are not seen.

Purple Lilacs, in warm sunny situations may be in full blossom today, or some of them. Conspicuous bushes have not opened more than from half to $\frac{2}{3}$ of their buds.

White Lilacs are about as forward as the purple ones near buildings and not shaded. Some are in full blossom and some not. Lilacs fall behind the Horse Chestnuts this season.

Parisian Lilac. Not $\frac{1}{10}$ th of the buds are open on early bushes. Some of the bushes have not begun to blossom.

Mountain Ash Trees (besides Hinchley's) began to blossom June 2, and 3. Perhaps some June 1. Some have not commenced.

Upright Honeysuckle (Azalea) exclusive of Mansion House, had blossoms June 3d, and probably some June 2d, near houses. Some at Talbot's. Some have not yet begun to blossom. I know not how those in the woods are, as to blossoming.

Tulips, have been in something like full blossom about 6 or 7 days. At Talbot's where there is the greatest display, they are all fresh and bright: yet they are becoming more expanded, and some petals begin to lop. They are in the same state at Mr. Shepard's and most other places, - are too much spread, or some are. At Bright's, where they first blossomed, the early ones are beginning to fade and look ragged.

Iris or Flower de Luce, not dwarfs. The white or pale blossoms are somewhat plenty; no blue ones are yet seen, or only one.

Tree Peony, pale color. Mr. Shepard's opened fully to day: 2 or 3 blossoms were almost open yesterday. Somewhere

Columbines are in flower in gardens - have been some days.

Horse Radish begins to blossom in Mr. Judge's & Cyprian's lots.

Buckthorn that has not been clipped shows a few green flowers to day.

Hawthorn. Not $\frac{1}{4}$ of buds are open.

June 1850

Tuesday 11.

Vegetation - continued.

Satin Flower or Satin Pod. (*Lunaria*). This purple or lilac colored flower has been out some time. Perhaps two weeks. It is in several gardens, and I have early on, called it purple rocket. It still has an abundance of flowers, some oval, thin pod, $\frac{3}{4}$ an inch long and $\frac{1}{2}$ inch wider.

Rockets. White rockets have been out some days; and pale purple ones now appear. (not satin pod.)

Ragged Robin, or something similar has been out sometime.

Angelica at Brights and in Round Hill lot, & elsewhere, with a purple stem, has small white flowers, just opening. I do not know that it is angelica. Some call it Sweet Cicely.

Westhampton Blossoms

Men from Westhampton inform me that all apple and other fruit trees blossom this year. Apple trees are now white, but it is thought, they may be a little passed the full bloom - perhaps a day or two. Perhaps 14 days later than Northampton village - possibly 5 days later. In Cummington Apple not quite full blossoming yet.

Narcissus. The white flowers which are now in full blossom in gardens, and called daffies, and narcissus, and other names, are, I suspect, *N. poeticus* or poet's narcissus. They are a neat flower - some single, some double. Have long been in blossom.

Snow Flake. These white, drooping flowers are plenty. Delicate.

Red Clover. There is an increase of heads in upper & lower ends of Doct. Thompson's lot, a number on the side hill back of the new Town Hall, or back of the old Hunt house in rear of the Town Hall. A few in Mr. Shepards lot. There are doubtless some red heads elsewhere, but I have seen no others. Indeed, none are seen by one who is not looking for them. Red clover heads must be sought for in order to be found, they are so few.

White Clover. On side hill near Mill River, and just below old canal, are 10, 15 or more heads of white clover. I have seen none elsewhere. [Wen on side of canal, none.]

Oxeye Daisy. I found to day half a dozen blossoms on same warm, early side hill just mentioned, by canal & river. I have seen none elsewhere.

Wrote a short article for Courier about late seasons. Stated that the springs of 1812 & 1818 were later than that of 1850 - that apple blossoming was later. Planting done 18 weeks in June 1818.

June 1850

Wednesday 5.

Vegetation remains about 18 days behind 1846, or perhaps 19 days; and 13 or 14 behind 1848; and 15 or 16 behind 1845. This is a real growing day. p. 83

Compositae or Buttercups.

Bulbous Crowfoot is very plenty & makes some yellowish places in mowings. The flower is large & showy. It may be in general bloom.

Tall Crowfoot, common, is seen in most lots & grass land - but it is thinly scattered and but few flowers meet the eye. In addition to the color of the mowings is hardly perceptible. It is as tall again as the bulbous crowfoot.

Grasses.

Meadow Foxtail (*Alopecurus pratensis*) is very plenty in Bright's lot near the brook. It is in blossom or passed. This is indeed slightly but is not the *A. geniculatus*, which I do not find headed out, though the stalks are plenty.

Vernal Grass (*Antheranthus*) is quite as prominent as it has been. In all our moist mowings, and some drier ones, it embrowns large pieces of grass, sometimes an acre or two in a piece. It is full of anthers; these are purplish and $\frac{1}{4}$ of an inch in length at first; they turn brown and fall. The stamens that support the anthers are white and now $\frac{1}{4}$ to $\frac{1}{2}$ an inch in length, in sight. They are seen after the anthers are fallen. It is the anthers chiefly that give pieces of this grass a dark brown or purplish brown appearance.

This grass does not grow on land recently laid down to grass; on land occasionally inundated as the meadows; on rich swales running from buildings and roads, which receive much manure. I think land highly manured produces less of this grass than other land. It likes moisture, and is found in wet places, but carices and other coarse grasses crowd it out of swampy land, in part or wholly. It grows some on high, dry land but is not plenty on such land. It is seen in open woods. P.S. Notice that some of the paleae are reddish brown.

Poa annua. This short grass has filled the wet places of Mr. Shepard's lower lot, where he could not work on account of the wet season especially the paths. It forms a thick mat. The numerous light colored panicles rise about 6 inches, and in some places 8 inches. The land is rich as well as wet. The panicles spread as solitary; sometimes two come out very near together. They are mostly on two sides of the panicle nearly horizontal & flattened, but not regularly so. This grass is plentiful about the buildings where we tread much.

Poa Pratensis and *Trivialis*. These are more distinct in mowings & begin to be a little reddish brown, in some lots. Not much colored however, or at least not very colored at all. For a season which I do not understand, the *Poa* in Old Rainbow, which has been under the flood, is more reddish than in our home lot - much more. Also in the lot below Dr. Thompson's home lot, and next to Mill river which was under the flood, the *Poa* is of a reddish brown as in Old Rainbow, and little or no vernal grass.

June 1850.

Wednesday 5.

Upper meadow and Rainbow.

I walked into meadow by first road (opposite the burying ground) and proceeded down to Bark wigwam, and into old Rainbow; went up through Rainbow to the north end; crossed that and Young Rainbow, and Upper meadow, and home, A.M.

Oats. are up & green - not many pieces sown. Suppose floods & wet weather retarded.

Rye. The best pieces of winter rye (and there is no spring rye) have heads fully out or nearly all are so; but many have a short stem above the top leaf. A few have the stem 5 or 6 inches in length. The heads have a little purplish color about the awns and paleae to which the awns adhere, and this purple gives a slight tinge to the field of grain. None of the heads (I think) are in flower - not one.

Many pieces of rye, injured by the floods and rains, show but a few heads. Some are quite small and backward.

Wheat. I saw but one piece. 15 inches high; no heads. Flower, or land recently sowed down is a foot high.

Indian corn } The corn land is nearly
(broom corn) } all planted in this northern
part of the meadow. Consider-
able has been planted since May 29, and
much of this the present week. As soon
several persons planting to day, on
low wet land. Saw some land (not much)
not yet planted. Corn has been planted
when the weather & soil would permit, for
four weeks, or from May 7 to June 5 in some
in the north meadow.

Corn planted the second week in May
or from May 7 to May 14 is generally up, both
Indian corn and broom corn. Some of the
Indian corn is almost large enough to hoe
maybe hoed Friday & Saturday this week
and some broom corn early next week.
In general however the corn broom corn that
is up is quite small; and I judge that
one half that is planted in this older
part of the meadow is not yet up, or
barely up and not noticed.

Corn hoeing will not commence to any
extent before next week, June 10, and the first
hoeing will continue at least two weeks.
I judge that the acres of broom corn planted
much exceed the acres of Indian corn.

Potatoes were planted quite early, some recently.
Those first planted are barely up, I presume. I did
not notice them. Perhaps not up.

Scare crows in meadow are white cords fastened to stakes.

Yellow Butterflies are in the meadow.

Woodchuck or fox holes are in the meadow, & occupied.

June 1850

Wednesday 5
Old Rainbow — continued.

Flood. I found that there was a ridge or elevation in the northern part of this meadow that had not been covered by the late floods. It is the ridge that has been ploughed in part, and the top was out of water down to Elisha Graves' ploughing, or thereabout or not $\frac{1}{4}$ of the length of the meadow. It was out of water I judge, from 6 to 12 inches. One foot more of water in the first flood would have covered all of Old Rainbow sand and mud or lime. I found that the flood had left a coating on all parts of the meadow, except the ridge just noticed; differing much in depth and in goodness — from mere sand to a rich fine sediment. In the lower parts it was soft and yielding under the feet; in higher parts not so soft and thick — very thin in many places.

In the upper or northern part of the meadow much sand has been washed upon the land, apparently from the north end of Old Rainbow where the river is wearing off the land. The sand is in various places; is not deep as in 1843, but covers many elevations & hollows, and will lessen the crop of grass this year. In some places the currents have torn up the soil, and made it uneven.

Grasses. Below these sandy places, where the deposit is more fine and rich, there is as yet but little grass. The floods were on so long that the grass has not grown much. A stranger would imagine that not much would grow here the present season. Grass is generally short and thin.

English or Poa grass is about all the grass that shows panicles, and this is generally short and thin. There is enough of it however to give many places of considerable extent a slight tinge of reddish brown. In some places, where it is thick & stout in haying time, it is more tall and thick now. It is now mixed with quake grass (*Triticum achenos.* as in haying).

The Quake or *Triticum* is more rank and makes more show than anything else, in the eastern part of the meadow where it grows. It is from 8 to 15 inches high, or about 10 or 12 inches generally, and makes almost a swath for the scythe. Nothing else will compare with it. The sand & sediment seem to have extended this grass, and crowded out others, in some places.

Clower is more tall & luxuriant than anything else, on some of the elevations.

Red top, Thatch grass, and other kinds that form a large portion of the hay-crop are hardly visible now. A few spears of several grass are seen on ridges.

Meadow Horsetail is plenty, and this and *Triticum* shoot up through the sand.

Some *Carex* is seen.

June 1850

Wednesday 5. Old Rainbow - cont.

The land was so long covered with water that grass and other vegetables are not so forward as elsewhere.

Dandelion are plenty in blossom, and few have gone to seed.

Crowfoot *Garanium* is plenty, & has just begun to blossom.

Heabane No 1. has but just begun to blossom. No 2. does not yet show buds.

Venus Pride is there. Yellow *Alexanders*, Violets, *Barbarea* on eastern part.

Lupines on bank above the flood are not yet in blossom, but are near it.

Lousewort on bank above the flood. Almost out of blossom.

Water still sets up from the river in the swale near old Rainbow bank, and in one that separates from it & is farther east, and in the broader hollow that comes from the bottom of the meadows farther east. This last water extends northward, perhaps 60 rods north of the *Parkwigham* Carre. Near the water the land is soft, and for some distance there is very little vegetation.

Ground near Rainbow has a pond of water on it. Some corn is up on this meadow, & some is just planted, & some cannot be planted yet.

Starflower all *Solomon's Seal* is in blossom on the sandy places, in Old Rainbow.

Vegetation in the Village.

Cucumber tree in Market Street has plenty of flowers, rather singular in shape. Leaves are large, but will be larger.

Magnolia grandiflora has no blossoms, & nothing very near.

Flowering Almonds. Many blossoms have fallen; the rest have lost their beauty, with some exceptions.

Fly Honey suckle or *Twin flower*. Some bushes have $\frac{1}{5}$ of buds open; other $\frac{1}{8}$ or $\frac{1}{10}$ th. yet the flowers begin to fall.

Trumpet Honeysuckle on Round Hill has a few blossoms to day. This is earlier than any in the lower village.

English Pass or Linne. The flower buds & floral leaves appeared one or two days since.

Peach Blossoms are still seen on some trees not very thrifty. A large number on one tree, Bridge St.

Wild cherry Trees, racemed. Many of these in the grave yard are in blossom, some nearly full. They are from 6 to 10 feet high. I saw such trees in blossom on the lower side of Old Rainbow, & on O. Rainbow Hill.

Flowering Dogwood. The involucres of all the trees in the village are now white & showy.

June 1850

Thursday 6
Vegetation.

Hawthorn with red blossoms. There is such a shrub or tree in the garden north of the Nonotuck house.

Quinces. The trees are in full blossom; the petals are falling from some, and many buds are not open on some. In general they were in full blossom yesterday. I know not which day is the real full bloom one. I pretty full 8th. About $\frac{2}{3}$ of flowers remain 9th. $\frac{1}{2}$ remain 10th.

Lilacs. White Lilacs are in full blossom.

Purple Lilacs are now in full blossom in almost all places in the village. Some near building have some blossoms that have begun to turn brown, indeed, they began to wither as soon as the bush was in full bloom. It was so at Mr. Shepards. Perhaps Lilacs, white and purple, should have been deemed full yesterday.

Horse Chestnuts have been in full blossom two or three days. Yet they continue bright and perfect. Some blossoms are falling, but not many, and the trees seem not to have lost anything.

Persian Lilac. Some bushes have $\frac{1}{2}$ of flowers open; many not over $\frac{1}{4}$; and some about $\frac{1}{8}$.

Azalea nudiflora. A bush in the edge of woods at Fort Hill is in blossom. In the village some are in full blossom, and some have but just begun to blossom.

Bladdernuts are in full blossom. Some are fallen. Many buds not open on some bushes.

Yellow Birches have green fertile catkins an inch in length, and large.

Black Cherry, or *Cerasus serotina*, racemed. This is the rough bark wild cherry tree. Not a blossom appears on any tree yet, that I have seen. Some of these trees at Fort Hill.

Choke Cherry, or *Cerasus Virginiana*. This is only a shrub from 4 to 10 feet in height at Fort Hill. Racemed. Fruit dark red. Is very common. On the plain some are only a foot or two high. It shows now many cylinders of flowers, but is not in full bloom. Leaves are a little different from the *C. serotina*.

Solomon's Seal, racemed, or doubly racemed. *C. racemosa*. These herbs are many of them in blossom, at Ft. Hill. The greater part are not. Flower stems & flowers are white.

Sarsaparilla at Fort Hill. Some of the umbels of buds have begun to blossom. The greater part have not begun. The lower flower buds first to open, and show white filaments, in part, but the flowers are called greenish.

Blue Iris or Flower de luce. Began to open yesterday at Wests. Several open to day there & elsewhere. White Iris has been blossoming some days. Yet many buds are not open, nearly half in full blossom June 10. Some withered.

June 1850.

Thursday 6. Vegetation, &c.

South Meadow.

I saw today several teams ploughing; and many men planting. They plant corn, broom-corn and potatoes. They have been ploughing and planting some days past, and will continue to plant until Saturday night, June 8, if not later. Most of the planting, however, will be completed today, but some low, wet land will remain. There was not much planting in this meadow in May, some on higher parts.

My Garden.

Corn, beans, cucumbers and squashes were in the ground from 17 to 23 days before they came up. I imagined the seeds had all rotted, but I find that the greater part have come up. Some have failed. I planted beans a second time today, 24 days after the first were planted. The Lima beans and flat frost beans almost all failed. Some gardeners started this week's sowing.

Shad continue to be taken at South Hadley Falls, very plentifully - 5000, it is said, in one day. They are retailed here at from 20 to 30 or 33 cents.

Elm Seeds. English Elm seeds have fallen. Mostly Slippery Elm seeds have fallen. The seeds of the Common Elm have been falling for some time, but I think the imperfect seeds only have fallen, and that the perfect seeds are still on the trees. Many seeds remain, though but a small part of the whole, in number. The smaller ones have fallen.

Friday 7.

Apple blossoms are almost all gone. Some remain on a few trees.

Spiraea, called prim, is in full blossom in gardens. ^(Flowers falling 9th & 10th.) Some not full.

Hawthorn. Trees are very white and almost in full bloom. Will be full in one or two days. Bushes in hedges seldom put forth many blossoms, but trees have an abundance. ^(Full 8th & 9th.)

Tree Peony. This species is in full blossom or at least, is in full glory.

Red Peony Old kind. Mr. Shepard has two out to day; yes, four. Some out elsewhere. Many out 8, 9, 10th June.

Pale red Peony. Some open at B. right's.

Star of Bethlehem. Began to blossom yesterday. Many open today.

Columbine. Flowers are plenty in gardens. Many not yet open.

Caraway has been in blossom some days.

A bush at Dr. Hopkins, covered with buds, begins to blossom

(See June 11, 1857)

June 1850

Friday 7.

Walked out to Bensonville A.M. and came home by the paper mill, and to Mr. Clark's pasture (Paradise).

Clover red } Many heads are seen by the sides
do. white } of the road, & both species. It is more
plenty, or more visible, than in this village, yet
not plenty.

Running Berries or } show a few large flowers - may
Cawberries, } have begun yesterday - not
many blossoms out yet.

Wild Raspberries. I found a few blossoms almost open on paper mill road. Saw no others so far as are.

Lupines are in blossom on the plain - but few buds open where I saw them.

False Toad Flax (Comandra) is in blossom on Plain. It has but recently begun to blossom.

Blue eyed Grass. I saw a few blossoms on the plain.

Thornbushes are in blossom by the road, and many in Paradise.

Choke cherry (low racemed cherry) in blossom, as elsewhere.

Choke Berry or } has flowers in abundance by road
Pyrus Arbutifolia } side. Bushes from 6 inches to 3 feet
high. Not yet in full blossom.

Chamae nudiflora, is in flower.

Roberts Plantain } This is plenty by the road
or Fleabane No. 1. } and in lots, especially in
Paradise, so called. Is commonly on portland.
Though it began to blossom long since, most of it
blossomed recently.

Fleabane, No. 2. I saw none west of this village.
It is increasing in sowings in this village,
but does not yet whiten lots, as it will do.
It is very abundant on N.W. corner of Talbot's
mowing above the old canal.

Current Leaf, is in blossom abundantly in woods.
A Mitella, I think. Perhaps a Tiarella.

Barberry. These bushes have an abundance of blossoms, but are not yet in general blossom.
Many grow in Paradise. Not so forward probably as those by Mill River, back of Apple Street.

Wild Iris, blue, has blossoms in water or wet ground in Paradise. Has not been in blossom long.

Oxeye Daisy. I saw much of this plant, that is, many of the buds, some almost ready to open, but only two or three blossoms and those were in Paradise.

Five Finger Strawberry, Venus Bride, and some other flowers which have long been in blossom are not uncommon by road and elsewhere. Polygala in woods. Violets.

Crowfoot Geranium is common in the village, and west of it, but will be more plenty.

Wild Honeysuckle (Lonicera parviflora) is in blossom in the fence above Damon's mill and by Justice Smith's house, Elm Street.

Dandelions. White seed heads are very numerous in the village, and elsewhere. Yellow blossoms are rare.

Mouseear Everlasting has gone to seed abundantly, and the head is cottony, woolly.

June 1850

Saturday 8.

Button Wood. A few green tops & green limbs may be seen on these trees, but in general their appearance is ragged & haggard, and death-like, beyond all former years. Many leaves that opened & green some have since withered.

Leaves. All trees and shrubs have leaves now as *Althea*, *Gleditschia*, *Osage Orange*, *Catalpa*, &c. These are however only greenish, viz. the 4 best kinds named.

Tulips still make some display, but they are fading and withering. Some bright ones are yet seen. Those at Brights, the most early, are the worst looking. The flower at Brights, noticed in past years as a foreign polygonum, is now seen. I know not what it is.

Rhubarb, left to grow, has an abundance of flowers.

Rockets, white & pale pink or purple, are very plenty. Not yet full.

Spiderwort has shown some blossoms for several days. But few seen yet, & these not fresh & perfect, in general.

Valerian begins to blossom. White & pale blue. *Premierum*

Spiked Indigo plant, at Wests, began to blossom June 7. (one or two flowers noticed June 6.) Many open June 18.

Snow Balls are becoming white. A few are nearly white.

High Cranberry shows the ray or outside flowers.

Dogwood, alternate leaved, } Both begin to blossom
Platanus lenticularis } at Wests. Not many open.
[*Viburnum* nearly full to yet. Some open on C. Fort Hill]

Wild Raspberry at foot of C. Fort Hill begins to blossom. Very few flowers seen yet - some on rail-road.

Tall Brambles - not in blossom.

Black Cherry Trees, racemed, begin to blossom on Fort Hill.

Choke Cherry Trees. Many flowers are fading at Fort Hill. Many not.

Thorn Bush. A tree near Wests Road is 5 or 6 inches in diameter, near the ground, or before it divides. It is almost full of flowers, but is a little passed full bloom, & petals are falling. I know not the species. Styles are 3.

Yellow Violet, tall, same that is on lower part of Holyoke, is at foot of Fort Hill, near S. end of N.E. side. Has been in blossom some time.

Trumpet Honeysuckle at Mrs. Dwights begins to blossom. [Mr. Wallington began June 10.]

Yellow Lily. One blossom open at Mr. Shepards and one at Mr. Wells'. None seen elsewhere. [3 at Wests June 9. Very little increase June 10.]

Rosa ferox. Begins to blossom at Mr. Lawrence's (late Dr. Hall's) and at Mrs. Woodward's.

Comfrey is in blossom.

June 1850

Sunday 9. Mr. Cotton of Amherst, preached.

Monday 10. Stove removed today.

Vegetation.

Mountain Ash. Hinchley's Tree has shed its petals, mostly and the corolla or cyme is brown. Others are in full blossom, and some are past shedding flowers. Some trees have not begun to blossom.

Fly Honey-suckle. Some bushes were full June 8, some 9, and others to day, 10. Many flowers fallen, many on bushes, and a number of buds not open. Full bloom was about 9th.

Horse Chestnut. Flowers on a few trees began to turn brown on the 8th, others on 9th, some 10th. Blossoms falling. Yet most of the trees show bright pyramids of flowers. P.S. In afternoon, shower & wind brought very many to the ground.

Lilacs. Many began to turn brown June 8th, and a few before. Others 9th & 10th. Now they are generally turning, that is, the flowers are beginning to wither on almost all bushes, purple and white. Some bushes may have flowers that have not begun to decay. Some have flowers all withered.

Peruvian Lilacs. Are about in full blossom. Full 9th & 10th & 11th.

Scotch Rose (*R. spinosissima*). Two blossoms at Brights. None seen elsewhere.

Virginian Waterleaf (*Hydrophyllum Virginicum*) just begins to blossom below maple street, by Celtis trees.

Pond Lily, yellow. None in flower by rail road, below upper bridge, over Mill river. Leaves plenty. Plants have been covered with water for 6 weeks past. Leaves swim. No buds seen.

The most common flowers in gardens now, or in most gardens, are rockets and flowers de luce (*Tris.*). Red Peonies are not uncommon, and columbines.

Monkshood. Three or four flowers are open at Dr. Walker's.

Thimbleberry. A very few flowers have opened today at Dr. Walker's and Mr. Shepards, and Mr. Hibbens.

Syringa. I notice about 5 or 6 flowers to day. Above half of them at the house across the street, or four.

Stinking Cranesbill (*Geranium Robertianum*) is in flower in Doct. Walker's garden.

Grasses & Flowers.

Poa Pratensis is now tall with a full panicle in some mowings, & other places. Begins to blossom, or to show anthers. It now overshadows the vernal grass & other plants in some mowings, & places elsewhere.

Orchard Grass. More at West's Channel where. Begins to be in flower in his mowing below the hill.

Tall Meadow Oat Grass, at Whitney's. Shows the panicle, but not wholly, only in part. Panicle is not spread.

Tall Festuca, a smooth grass. In some places, the panicles are out wholly or in part. Not much seen yet.

Triticum repens or Quake Grass. Shows the tip of the spikes near Mr. Shepards garden.

Red Clover is now in early, warm lands, quite frequent. It is seen in many places, yet but a small portion is in flower. It takes up places in mowings red yet.

White Clover is like the red. Not uncommon in many places, but not thick any where; i.e. heads are not thick. It shows many white heads on the rail road.

June 1850.

Tuesday 11.

South Hadley.

Took the cars to Smith's Ferry, thence crossed the river and went down to Dea. Johna Mudd's. Thence came back to Emerson Bates' to dinner & after that, walked to Samuel Mudd's & Ethel Mudd's, and to Philo Norton's. Back to E. Bates to tea, crossed the river and walked home on the rail road.

Vegetation in South Hadley.

This did not differ much from the same in Northampton. Perhaps some things were a little more advanced in South Hadley.

Corn was generally up and some were hoeing. Some however was very small, and some not up. Some was planted last week. Some Broom corn.

Rye was in blossom. Green anthers showed themselves, but apparently had not long been out, and but few heads had them.

Grass was as in Northampton. The Vernal Grass embrowned fields there as here.

Lupines were plenty on the plain, but not half the buds were open.

Wild Raspberries were in blossom - not full.

Running Berries were in blossom - many seen - not full.

Tall Blackberries had just begun to blossom.

Racemes low Cherries. Blossoms were fading.

Fleabane No. 1. or Robert's Plantain. By roadside & in fields.

Fleabane No. 2, so common in Northampton. I did not notice in S. Hadley.

Red and white Clover as in Northampton.

Tall Crowfoot, Dandelions gone to seed, &c. as in N. H.

White Daisy, or Oxeye Daisy was very little in blossom. I did not notice any blossoms.

Rail Road in Northampton.

Plants are rather forward on this warm soil.

Tall blackberries showed large blossoms.

Running Berries " " do.

Wild Raspberries " mean do. plenty.

Oxeye Daisy " a very few blossoms. 3 or 4 seen.

Other flowers, as in other places.

Wednesday 12.

Flowers.

Horse Chestnuts. Very many blossoms have fallen and the pyramids which remain are very imperfect. All beauty has departed.

Lilacs, purple & white, like horse chestnuts. In blossom, which remain, & are unwithered, have lost their beauty.

Tulips are all gone except unsightly fragments.

White Narcissus? These are mostly gone. A few flowers remain.

Snow Flakes } remain.

Mass Pink (a Phlox) Flowers are departing - most are gone.

Quince Bushes retain some flowers - these will soon fall.

June 1850

Wednesday 12

Flowers—continued.

White Iris. These are fading.

Blue Iris. These are quite showy. Many buds not open.

Red Peony. These are yet showy, but begin to fade.

Old Red Peony. These are very plenty & make a fine appearance but many buds are not open.

Peony at Brights, which I called pale red, is now almost white.

Azalca nudiflora. The flowers of this honeysuckle are many of them fading & falling. Some bushes still retain their blossoms about houses, and in woods.

Snow Ball. Flowers are generally white. A few are a little greenish, and a few turning brown on some bushes.

Syringa. A few flowers out June 10th—a few more June 11. They are very rare to day. Many bushes have not a single flower.

Magnolia grandiflora. Tree on Round Hill has opening flowers. Petals about 5 inches long.

Lycnis &c. Some of these at Brights of various colors. Came out recently. Calyx inflated.

White Scotch Rose. There are 20 or 30 blossoms at Brights. None open at Talbotts. Began 10th with Syringes.

Yellow Lily. Flowers began to open June 8. Have increased very slowly. But few open to day. Some bunches of lily plants have not a flower open.

Poppy. Half a dozen flowers are open at Brights.

English Raspberry, has blossoms.

Thursday 13.

Huddy

I walked to Huddy P.M. Went to Asa Brown's. He married the widow of Horace Judd. I examined Asa's vine, went down through it $\frac{2}{3}$ of the distance and then had to come back almost to the bridge to get round the water that is along by the northeast bank of the meadow. Went to burying ground and thence through the meadow westerly & then southerly to the bridge.

Corn and Broomcorn. This is a great week for hoeing. The meadow is full of hoes, and many in the home lots. Much has been hoed. In meadows and home lots, I judge that nine-tenths or more of the corn planted is broom corn—not over $\frac{1}{10}$ Indian corn. Both appear well. The greater part on lands not flooded will be hoed this week. There is said to be more Indian planted on eastern part of the town, towards Amburst.

Wheat. I observed several pieces on the road west of burying ground—about 15 to 18 inches high. Heads not visible.

Rye. many fine pieces on the same road. It has attained its height nearly—not quite. Some stalks 6 feet high, generally from 3 to 5. There are green or yellowish anthers on some heads—not one in 50 apparently. Whether it is just beginning to blossom, or has almost ceased, I do not know.

Oats are 6 to 8 inches high—not many pieces.

June 1850

Thursday 13. Hadley - continued.

June 16
p. 2014
Aguavita Meadow. This has received a great accession of good soil, and in some places too much sand. Where the flood did not remain too long, there is now stout grass, and fast increasing. In much of the meadow there is the soft tread, noticed in old Rainbow, but more general. Even in places of thick grass, one seems to be treading on a bed of straw or some yielding substance. In the north or north eastern part of the meadow, where the flood long remained, there is not yet much grass; and I think it must be so at the lower end, the richest part of the meadow, though I did not go there. The strip next to the river, in upper part of meadow, which was not flooded much, is as here before - not very productive. Some of the elevations in western half of the meadow are not yet covered with stout grass, & I think will not be.

Vernal Grass is not seen in the meadow, and not much in the home lots. The latter are ploughed too often for this grass. There is but little permanent mowing in the home lots.

Poa Pratensis, & Trivialis, are abundant in many places in the meadow. The panicles are a little reddish. Seem not much in blossom yet. In spots, the poa is tall & thick; in some it is mixed with *Triticum repens*; in some it is thin. It is the only grass that shows panicles, except the Aira.

Triticum repens or Quake Grass. This grows where it did last year, & seems to be extending on the mellow soil. Much of it is stout and thick. A few tips of the spikes begin to show themselves. The width of leaves differs much in spots, side by side, and the hue of the leaves. In many places the leaves are $\frac{1}{2}$ inch wide or more; in others only $\frac{1}{4}$ of an inch, where the stalks are about as tall as the others. The wide leaves have a different hue of green from the narrow ones.

Aira. This grass is found on the north eastern part of the meadow, where the flood continued some time. Much of it is on the slope south of the brook or swamp. The panicles are but recently out and many are but partially disclosed. They are purplish, silky, glossy - quite delicate.

Calamagrostis is seen. The andropogons, redtop and some other grasses make but little show yet.

Red Clover is but little in blossom. No red spots. White clover not seen.

Robert's Plantain or Fleabane No. 1. makes some show. It is on the higher ridges & elevations where the grass is not thick, down to the middle of the meadow, or farther south east, than the middle. It does not grow among stout grass. It is on the leanest ridges, yet in some that are not very lean is on some good soil. It is also on old sandy places, where flood did not come. Not quite in full bloom. The flowers in long strips on the elevations are seen at some distance.

June 1850.

Thursday 13. Hadley continued.

Aquavita meadow. continued.

Fleecbane, No. 2. is very rare in this meadow. I saw but a few plants and these had hardly begun to blossom.

Oxeye Daisy. I saw buds, but no flowers.

Crowfoot, or Buttercups. I saw not a flower except on the bank next to the ploughed meadow. It does not grow much on flooded land.

Lupines are found in many places. are in blossom but not yet in full bloom. Some are white.

Golden Senecio. (Senecio aureus) shows its yellow buds and blossoms in many places. Not yet full.

Alexanders are in this meadow.

Barbarea. This plant is here but rare.

Venus Bride. This covers, almost, large places on top & side of elevations near the swamps, where the flood was on some time.

Yarrow shows blossoms, just begun, in the upper, drier parts of the meadow; in sandy places.

Humming Berry shows blossoms in some places

Solomon's seal " " in some "

Penguefoil or Fivefinger " " " "

Blue eyed Grass, shows itself in blossom, in various places

Wild Roses. On a sandy place near the river were many these blossoms. Not full.

Dandelions & Early Everlasting } Have all gone to seed.

Crowfoot Geranium. Blossoms on bank next to ploughed land.

Horsetail is common in this meadow, but does not grow with the Triticum. That crowd's it out.

Poas and Triticum wave very gracefully in the wind, where they are stout, forming waves of verdure.

In the ploughed meadow, in pieces laid down to grass, within a year or two, the red clover is in blossom, but not in all such pieces.

Wild Radish begins to show itself.

Flowers in Hadley Gardens.

Yellow lily, Red peony, Flower de luce and Columbine were the most common flowers.

Some handsome Snow Balls in door yards;

also Syringas, with a few blossoms.

Cinnamon Roses were almost open.

I could not discover any difference in the forwardness of vegetation in Northampton & Hadley, where the soil is similar. I cannot say which is the most advanced. Vegetation in both places is most forward on warm, sandy land, if made rich.

In Hadley Burying Yard are many pedate violets.

June 1850.

Friday 14.
Flowers, &c.

Common Pinks began to blossom June 13, and many are open to day. A great profusion at Mr. Colton's stable street. Perhaps they began June 12. Dr. Walker have but just begun, to day.

Sweet William begins to blossom today. Very few blossoms seen.

Phlox, or heanidia. One species shows blossoms at Port. Walker's, some elsewhere.

Peonies, white, single blossoms, with peony leaf are out at Wests.

Roses, climbing, Boursault. have begun to blossom at Mrs Woodward's; also at Samuel Wells'.

Roses, Cinnamon, were almost open yesterday and some may be deemed open today, though they are rather mean in appearance.

Common Locust. A tree by meeting house & another by Court house have flowers & had yesterday, or had white pendant racemes. Trees at Dewey's have much whiteness. Buds make whiteness. many other trees have white buds or flowers. June 15

Celastrus Scandens begins to blossom at Fort Hill. Many have been out before in some places.

Smoke Tree, begins to blossom at Wests.

Yellow Roses at Brights begins to blossom. At Dr Walker's June 15

Tulip Trees. That at Wests and that at Saltbats have several flowers. Probably began to open yesterday. Brights tree has none.

Saturday 15
Flowers, &c.

Red Peonies. Some petals are falling, and some buds are not open. About as near full bloom as they will be; perhaps a little passed.

Tree Peonies falling & falling; ^{mostly fallen} Pale or pink Peonies not open.

Yellow Lilies, are very plenty, yet they have not reached the greatest, fullest growth. are near it.

Tall Valerian (Valeriana phu) shows flowers - did 14th.

Scotch Roses. Many flowers & many buds. ^{Not full, but some fallen petals.}

Fly Honeysuckle. Flowers mostly gone. Some remain. Some bushes have many, but not in general.

Persian Lilac. Quite showy in general. Some have faded. Some bushes have almost all flowers faded, and others have bright flowers. Bright ones much the most numerous.

Snow Balls are white & pure in general, but not all. Some have faded and turned brown and others are withering. Are passed the full.

High Cranberry has largish white outside flowers. and the small interior flowers are open or opening.

Syringa. Flowers come out slowly as usual. Many trees have many; others a smaller number, and some have hardly commenced blossoming.

June 1850.

Saturday 15.

Flowers, &c.

Spiderwort. Flowers increase, and will for a long time. Come out slowly.

Columbines of various colors are plenty. Some are fading.

Satin flower or Honesty. (*Lunaria*) This has flowers yet, but has more of the thin oval pods.

Strawberry bush has long shown its leather looking buds and flowers.

Spiked Indigo weed. Flowers increase & will for some time

Blue Iris or Flower de luce. Some flowers are fading, & some buds not open. May be about full blossom, but a little passed, perhaps.

Mountain Ash. Most of the petals have fallen and the cymes are brown. Some trees, however, have but just opened their blossoms.

Rose or Dwarf locust. (*R. hispida*). Shows racemes of rose colored buds at Brights. Some in Maple street seem more advanced. Perhaps in blossom. A few blossoms at Talbot's and Mrs. Cockran's.

Trees at Talbot's with leaves in threes, have racemes of yellow flowers and buds, in the form of locust racemes.

Dogwood, alternate leaved. It is in full blossom or a little passed. These shrubs make much show.

Viburnum lentago. Flowers are falling. Cymes turning brown.

Star of Bethlehem. Flowers very plenty.

Lily of the Valley. Flowers fading. Many gone or most.

Azalea Honeysuckle. Some bushes have lost all their flowers. They are falling from all bushes but make some show yet on a few.

Horse chestnuts show some withered flowers & green burs.

Butternuts. Catkins have fallen. Butternuts are $\frac{1}{2}$ inch in length, with the large rosed, cleft stigma at the end.

Chesnuts. Catkins are 4 and 5 inches in length or from 3 to 5. Not in blossom - not white.

Beechnuts in burs, and the 3 cornered nuts are forming. Male flowers have all fallen.

Hornbeam shows leafy aments 2 or 3 inches long.

Orange upright Lily (a real *Lilium*) is in blossom at Mr. Allen's.

Wild Blue Iris. In about the same state as the garden blue Iris.

Wood Sorrel. Yellow blossoms have been out some days.

Common Sorrel. Many red-dish patches of it in meadows and uplands. Bin flower

Rubus. Most species of this genus are in blossom. The *R. cuneifolius* seems to be later, and the *R. odoratus*. The high Blackberry and the running Blackberry have large, showy blossoms.

Maple Leaf Viburnum has a few flowers, above Damon's Mill.

Snowberry begins to blossom at Mrs. Cockran's. None elsewhere.

Trumpet Honeysuckle. Generally in blossom. Not full.

Honeysuckle at Talbot's, white within, has one or two blossoms.

Garrow. Some blossoms by roadside.

Monkshead has a few flowers.

Oriental Poppy at Dr. Walker's has one flower.

June 1850

Saturday 15

Grasses and Clover.

Vernal Grass is much hidden by Pocos and by other grasses & herbs. It does not make large spots brown now, though it is visible. Anthus have fallen.

Pocos, pratensis and trivialis, are now predominant in most mowings, and by roads, buildings, &c. but not in all showings. More conspicuous in dry mowings, but are rank in some wet places. Are generally in blossom but not fully so perhaps. The color of the panicles is very various, aside from the blossoms; they are of several shades of green, and of a reddish brown. The anthers are of various hues, & differ from the color of the paleae, are white or whitish, green, brown and reddish or purplish.

Orchard Grass is generally in blossom. I find but little, except at Wests.

Foxtails (*Alopecurus pratensis* and *geniculatus*) are plenty in some spots, but do not extend far. The latter grows in very wet places and is thick & crooked. The former is more scattered & upright. Both seem to have been in blossom some time.

Tall Meadow Cat Grass at Whitneys. Shows many panicles out and tall; many partially out, and some hardly seen.

Tall Festuca Grass. Panicles increasing. Has not yet shot up tall.

Tall Reed Grass (*Phalaris arundinacea*) at Mrs. Wellers and elsewhere, begins to show the tops of the panicles. Not tall yet. Some panicles almost out.

Herdgrass, (*Phleum pratense*). I have seen but two places where the heads are visible - some half heads, and some tops. There are doubtless other places as forward, but in general the heads do not appear. - These places alluded to are in Mr. Bois lots, one this side, & one beyond his house.

Red Clover. Blossoms are plenty on warm, rich side hills, and in other places, in some homelots, may be nearly as plenty or full as they will be. Are by Rail Road and elsewhere.

White Clover. Blossoms are plenty in some dry, warm places. I do not observe many heads in mowings. Are thick on rail road in some places, and elsewhere.

Poa aquatica? Both of these have panicles, which have just issued from the sheaths - perhaps, are not fully out; in the wet corner of Enos Cook's lot. - *Alopecurus geniculatus* is plenty by side of road against the swampy corner, viz. by road to Mill.

Triticum repens. This grass by road sides and fences, shows a few tips of spikes. On the bank of Mr. Shepard's garden, spikes are almost out of sheaths.

June 1850.

Saturday 15.

Comparison Flowers, &c. or of Vegetation, June 15. 1850, with previous years.

Vegetation June 15, 1850. is similar to what it was: . . .

June 12. 1849, or 3 days later

June 3. 1848, or 12 days later

June 12. 1847 or 3 days later

June 1. 1846 or 14 days later.

June 4. 1845 or 11 days later.

May 30. 1844. or 16 days later.

June 15. 1843 or the same.

June 12. 1842. or 3 days later

June 10. 1841. or 4 days later.

June 4. 1840. or 11 days later

June 11. 1839 or 4 days later.

June 12 1838. or 3 days later.

Mr. Lowell's remark in 1838, that all seasons, early and late, are nearly on a level on the 10th of June is far from correct, though they are nearer on the 10th of June than commonly in May.

Difference in extremes between 1844 and 1850, 16 days.

Appearance of mowings.

The green of the grasses is variegated by the yellow of the tall crowfoot, the red of clover heads, and white of Erigerons or Fleabanes, besides the diversity in the hues of the proper grasses. Narrow leaved Dock erects its tall heads in the mowings and there is some meadow rue, & other herbs.

Tall Crowfoot makes more show than any thing else that is not grass. The yellow flowers are much more plenty in wet places in homelots, than in the drier parts of the same lots. I think it is not yet in full blossom. Does not grow in water.

The Red clover, not being so tall as the grasses, is not seen far off, except on the sides of hills or elevations. It is found mostly on the drier parts of lots, but not entirely. It likes a good soil, but is crowded out of many rich places. Not yet full, I suppose.

The Fleabanes, do not color the lots, or whiten them, as in some past years. The Vol. or Robert's Plantain, was never much seen in good homelots, & very little now. It is found on some exhausted elevations. No. 2. is seen in most lots, but in small quantities and white places are very rare. There is more of it in Tallbot's lots, both sides of the road, than elsewhere, where the land was ploughed a few years since, & laid down to grass. I think it dislikes old sward, and poor land. It is not in full or general blossom.

Oxeye Daisy is seldom seen about the villages, but in Mr. Burnell's lot (the father Burnell,) there are several spots very white with these flowers; and they are not yet full. This lot is on the road to the upper mill.

June 1850.

Saturday 15.

English Spear Grass or { *Poa pratensis* and
Poa trivialis.

Examination & comparison readily shows the difference in these poas which are so much alike.

Poa trivialis is a little roughish on the stems & sheaths; has long acute stipules; and branches of panicles are in half whorls of 4 and 5, very often of 5. Leaves are different: those on stem longer.

Poa pratensis is smooth; stem leaves shorter; stipules short and truncate; branches of panicles in half whorls of 3 and 4, and seldom 5 - very often of 4.

I find that *P. Trivialis* grows on moist land only; it grows on Doct. Walker's lower lot, but not on his lot next to street. *P. pratensis* grows on both moist and dry land; is in both of Doct. Walker's lots. It is the principal grass on the upper lot. Yet it is found on very wet land. The *P. Trivialis* now appears of a lighter green than the other, and not quite so forward - has less purplish about the panicle. These differences may be accidental. The *P. trivialis* seems to show the spikelets more distinctly. Both are in flower where they grow together.

Further Examination.

In Mr. Shepard's lot below the garden, most of poa below the hill (except poa annua) is *poa trivialis*. The ground is quite wet or moist. It has a light green appearance and anthers are generally white. A few panicles are purplish. On the lower part of this side hill, it is mingled with *poa pratensis*. On the middle & upper part of the side hill, & on all the land above the hill or bank, the grass is *poa pratensis*; not a spear of *P. trivialis*. One can be distinguished from the other in a moment, by examining the length of the leaves, or of the stipule, or by the roughness or smoothness of the stem & sheaths. I discover no difference in height, though the books make the *P. trivialis* a foot the tallest, or wood does.

Below Shepard's lot & other lots, in the wet hollow, on the west side of the Railroad, I found both kinds of poa, much alike as to color and forwardness. Perhaps more of the *P. trivialis* is light-colored, that is of a light green, & whitish anthers, than of the *P. pratensis*. I think it has less purple, that is, the former.

P. trivialis seems to have more slender stems, & to fall or lodge more easily than *P. pratensis*. I am not certain.

More Examination.

In the sedge swale in Mr. Boies' lot this side of his house, *P. trivialis* is mingled with *P. pratensis*, but the *P. trivialis* is in the wettest places mostly. Near the brook in Mr. Boies' lot beyond his house, and in two farther up lots, on same brook, both poas grow; about the brook both are found, but the *P. trivialis* is much the most plenty close to the brook; it is very thick, & falling down. In all these places it is of a lighter green than the *P. pratensis* near it, and apparently not so forward. The eye detects it at once by the color & appearance. In a few days it may be of a darker green, & purplish panicle, like the *P. pratensis*. The stalk now seems more slender.

Stalks of both species can be found 4 feet high, but very little over three feet.

June 1850

Saturday 15.

Farming.

Corn hoeing. This has been a week for hoeing corn, June 10-15, on much upland, and on the higher parts of the meadow, both Indian corn and broom corn. Some corn has been hoed in the South meadow but not much. Hoeing has been going on in Hadley, Hatfield, South Hadley, &c. Most of the corn, broom corn & potatoes, planted before May 22, or before May 26, have been hoed but not all.

Planting. Much planting was done last week, and I find that some planted corn and broom corn this week - not many I think. Mostly in South meadow.

Mowing Homelots. Some patches have been mowed about buildings, but no homelot of any size has been mowed. Haying has not begun. Grass is good, but not much lodged. A large spot of *Poa pratensis*, stout, is lodged in Doct. Walker's upper lot.

Homelot Haying began June 17. Dr. Walker's upper lot, Mr. Bright's upper lot, Talbot's lot by house, &c. all yield a great burden. Mr. Hunkley's June 18 & more.

Garden. In my garden. Beans are 6 or 7 inches high and begin to put out climbers; Corn is 6 inches high; Lettuce, Peas &c. 6 inches high; Squashes have 2d leaves $2\frac{1}{2}$ inches in diameter; cucumbers have 2d leaves $1\frac{1}{2}$ inch in diameter. These all planted May 13, or 4 weeks and 5 days ago. Planted corn below the bank June 19.

Musketoes were annoying in the woods some time since, but none appeared in our house until June 14. Only one or two noticed.

Flies, it may be said, have not appeared. Yet I have seen 4 or 5 within a day or two, on the windows.

Striped Bugs have assailed my cucumbers and squashes to day. In some gardens earlier.

Bats. I saw one on evening of 11th and 12th June. 3 June 19. Bugs strike against the window in the evening where is a lamp. I know not what they are.

Birds have swarmed the present week - none before at Mr. Hillen's. Tree toads or frogs are heard in the meadow, in evenings. Crickets, I first heard in the meadow, June 18, and in Bridge street in the evening of June 18. Not a choir, but only single ones.

Shad are still sold here.

June 1850

Sunday 16. Mr. Swift Am. P.M.

Garrison Abolitionists had an assembly and speeches in front of the new Town Hall.

Monday 17.

Middlemeadow and Meadow above it.

I walked down to N.W. corner of Middle Meadow, and across that meadow southeasterly; thence diagonally north-easterly to Hockanum road across the same.

Western end and north side of Middle Meadow, where the flood remained the longest, in vicinity of the swamp under Middle Meadow Hill, has but little goodness and not much of any thing. It is like Hadley near Aquavita swamp, except that Aquavita has received much more rich soil than Middle Meadow from the flood. In the lower or western end of this meadow, there is not much grass from Middle Meadow Hill to the old hollow where was the bank of the river when the town was settled. South or South east of this hollow there is good grass almost to the river, excepting some of the highest, driest ridges; and extending up the meadow to the great elm; and thence to Hockanum road, this good grass is found in many places farther north than the old hollow. The great elm stands in the hollow near its northeastern part; the hollow not being distant far beyond it. By good grass, I mean stout grass, almost a swath show, or quite; composed next to hollow and next to river mostly of *Triticum repens*; and between these sides, composed of mingled *Triticum repens* and *Poa pratensis*, and in some places, mostly of *Poa pratensis*. The latter on dry places is thin. There is some of the *Andropogon* & red top, but they are not noticed much now. Also some horsetail and some herbs. This lower side of the meadow is more enriched by the flood than the northern side, but much less than Aquavita. The soft tread, the earth yielding under the feet, is seldom noticed here.

The *Aira* extends along the slope towards the swamp from Mill river to Hockanum road, 5, 10 or 15 rods wide and some in other places. It is close, silver, & some purplish; every where thin, and with the beaten *Poa* panicles among it, makes a light show of brown & reddish brown, but rather faint. Where the *Aira* grows, was long under water, but it does not grow in the real swamp, not even in the drier part of it.

Brakes or *Polypodi* are plenty where the *Aira* grows.

Venus Pride is plenty in many places of this cold, long-flooded soil, as it was in Aquavita.

Sedge grasses grow some here, & thinly scattered *Poa*.

Poa pratensis gives a brownish, & reddish brown appearance to much of Middle Meadow, even where it is quite thin. Except the *Aira*, it is the only grass that shows panicles or heads. In many places it is short and sparse; in others, it is considerably tall & thick, especially when it grows mingled with *Triticum*, and where it is by itself near the *Triticum*, or southeast of old hollow.

Poa trivialis. I could not find a spear in this meadow, nor in that above it.

Andropogon is seen in many places, but is not tall.

Red top makes still less show than *Andropogon*.

June 1850

Monday 17
Middle Meadow - continued.

Triticum is abundant in many rich places in this meadow, and is apparently increasing. Here as in *Aquavitae*, it has two widths of leaves and two colors or shades. It takes entire possession of the soil, after a while, and not a spear of other grass, and not an herb is found among it. At present it is extensively mingled with *Poa pratensis* and some with *Andropogon*, but I think it will drive them out of places where it has got foothold. It has full possession of some large spots of soil. It shows the tops of some spikes, but seems no forwarder nor stouter than in *Aquavitae* last week.

Red Clover is plenty on an elevation near the great clump, but in general it is rare.

White Clover. I saw none.

Robert's Plantain or *H. leucane* grows with the clover, on the side of the old hollow, in the vicinity of the great clump, on elevations, as in *Aquavitae*. Some small shots of it in other parts of the meadow. This is *Crigeron* No 1.

H. leucane No 2. There is a little in this meadow not much.

Creeper Daisy. Only a few flowers noticed.
Yellow *Sonchus*. Some flowers are seen.

An aquatic Buttercup shows its flowers near the swamps. Has been noticed in past years.

Horsetail is plenty on much of this meadow, but it cannot, or does not grow with *Triticum* or quack grass.

Yarrow just begins to blossom. Not much seen. (Perhaps my meaning is above this)

Meadow Above Middle Meadow, both sides of Hockanum Road.

Red Clover is considerably in blossom in some lots laid down to grass within one or two years, as in Hadley meadow, last week.

Herds grass shows here and there, half a head, and a few whole ones, but in general, none are noticed. It requires attention to see them.

Poa pratensis is hardly seen in grass laid down within a year or two, but considerable is noticed in pieces that have been in grass longer. Strongest lot, the highest in this meadow, S.W. of Hockanum road, (I mean by highest, the farthest up Mill river, not the most elevated) has been in grass many years, and almost all is *Poa pratensis* in blossom. No *Poa trivialis*. There are some bunches of Vernal grass.

Triticum repens is creeping into ploughed land. Much of it is seen in grass land near Hockanum road, but seems not to extend far from the road yet. The lots where it is seen were laid down to grass within a few years. It seems to delight in soft, rich soil. By ploughed land, I mean that which is sometimes ploughed, & sometimes in grass.

Red Top - is not noticed now.

Calamagrostis is seen near Mill River. Has no panicles.

June 1850

Monday 17.

Meadow above Middle Meadow - continued

No. 1. *Erigeron* or *Fleabane*. This is found on spots long in turf, not on land recently ploughed. Not much in the meadow.

No. 2. *Erigeron* or *Fleabane*. This is more common in this meadow, but not plenty. It dislikes hard turf, and grows in mellow rich land; it does not come in at once however, after land has been some years under the bough and hoe, but comes in gradually after it is in grass - not much in the first year or two.

No. 3. *Erigeron*. This is almost peculiar to the meadows; it is more plenty there than any other species. It is not yet in blossom, but shows many buds.

No. 4. *Erigeron*, the largest & stoutest. Is later than No. 3. Is seen in the meadow, but not common.

Crowfoot *Geranium*. This is seen in this meadow, but not on lands recently ploughed and sowed down to grass.

Great Meadow Parsnip begins to blossom on the skirts of the meadow.

Sorrel makes many reddish spots where grass did not take. The red is not the blossom. The blossoms are of a yellowish green, or many are. Tall Crowfoot. Only a few blossoms seen. These ^{on} old swards.

Crops in Meadow above Middle Meadow.

Indian Corn & Broom corn } In this part of the meadow are almost all hoed, or large enough to hoe. Many are hoeing today & will be some days to come. Some pieces that were planted since June commenced, are up & will be ready to hoe in a few days. A few wet spots of small extent do not exhibit the rising corn or potatoes yet. I think half of the whole, or more, including corn, broom corn and potatoes, has been hoed once, even before to-day, in this meadow, more late than some parts of the north meadow.

Oats. I saw but one piece. It was deemed too late to sow oats after water subsided, and the land was dry enough to sow.

Wheat. I noticed two pieces - middling. A few heads are seen in part, and but a few.

Rye. This looks well. More blossoms, or Anthus are seen than I have noticed before this year. The greater part of heads have none. Anthus are very plenty on the ground. I know not whether rye is in full blossom, or passed, or not yet arrived at that state.

Wild Radish shows some blossoms in rye &c. Not much seen yet. It has not oats to grow with.

June 1850.

Tuesday 18.

Old Rainbow and Upper Meadow.

I went down O.R. by first meadow road, opposite burying ground; and across some divisions of land, and across Young Rainbow, to Old Rainbow Hill; thence crossed Old Rainbow above the middle, and continued on the eastern side down towards lower end; crossed back to ploughed land above the barn; and went across two divisions of land, and came up in the third road, to the place where I entered the meadow.

Old Rainbow.

Looking at the meadow from O.R. Hill, the lower or moister parts present a green appearance; the higher parts seem of a brown or reddish brown appearance, from the panicles of the *Poa pratensis*. Excepting some elevations below the middle of the meadow which are spotted with red clover & white *erigeron*. Nothing shows panicles but *Poa* and *Aira*. The taller grasses wave gracefully in the wind.

Poa pratensis is in almost all parts of the meadow except downright permanent swamps. In some high and dry places, and in some low moist ones, it is but thinly scattered, but its panicles make some show, even where it is quite thin. It is generally in blossom. In the eastern part of the meadow, east of the higher elevations, it is frequently tall & thick of itself, or thick by being mingled with *Triticum*, *Andropogon* or Thatch grass, Redtop &c.

Poa trivialis. I did not find a spear in O. Rainbow.

Aërix. This light, shining, delicate grass is in the southern part of the meadow in the broad hollows and sides of elevations from which the flood has recently retreated. The same situations in which it is found in Middle Meadow and Aqua vitae. Not much has started up yet in these wet places, & this or any thing else. Scattered *Poa* is commonly found where the *Aërix* grows. Neither grow in a permanent swamp. The land from which the flood last receded has not yet put forth any thing, but there was some greenness under the water, from aquatic plants.

Water yet stands in hollow under Old Rainbow bank, and in the hollow under Young Rainbow bank. A stream runs from the former pond, but not from the latter.

Calamagrostis is plenty in spots, & of some height, but does not yet show panicles.

Poa serotina. I think there is some in the low ground, under Rainbow Hill, but not fully developed.

Triticum repens or quack grass. This is evidently increasing, and the late secondary inundation is favorable to its growth. It is extending further west. It is yet much mingled with *Poa*, Thatch and redtop but I think it yearly encroaches upon their domain, and is fond of engrossing the whole soil. It differs much in color and size. When it has had possession some years, it is thick, stout, two feet high or more, and shows the tops of some spikes, and half of a few. It is already a heavy swath. It is scattering & extending itself upon the sand washed on this season.

June 1850.

Tuesday 18.

Old Rainbow - continued.

Sand. The late flood washed on sand in many places in the upper part of the meadow; but more than elsewhere, in and about the hollow, under or east of the bank, that seems to have been the bank of the Connecticut, when Northampton was settled. This hollow is 50, 60, and in some places perhaps 80 rods west of the river now. The deep drain farther south was dug to drain this hollow, which has been much filled up with sand, in late years, especially in 1843 and 1850. Much sand washed on all about here in 1843 and considerable in 1850.

Andropogon or Thatch } The two first are plenty in
Reed top } many places, but make
Some panicums } no show yet; they will
form a large portion of the crop. The panicums
are not plenty.

Red Clover. This grows, and is all in blossom from the middle of the meadow down almost to Bark Wagon, on three longitudinal ridges or elevations - some places in long lines, in others not continuous, but in spots. It is not in three ridges all the distance. It does not occupy a great quantity of land.

Fleabane or Erigeron No. 1. grows with the clover, and in other spots in the meadow, that are elevated. The white, red & green make a variety, and a gay covering. This clover & erigeron grow on elevations, but on land that has been under the flood some time.

Erigeron No. 2. There is some in this meadow, but not much.

Erigeron No. 3. This is seen, but not yet in blossom.

Barbarea is found on east side, towards the river.

Alexanders are found with or near clover, & elsewhere.

Pale Crowfoot (R. Acris). Scattered blossoms are seen on the lower part of the clover ridge, in and near the waggon road. Not plenty. Very little grows in this meadow.

Venus Pride is plenty in various places but especially on ridges where the water remained sometime, as in Old meadow and Aquavitae. It is with the clover & Fleabane No. 1. towards Bark wagon.

Senecio. A little is seen in blossom.

Lupines are seen in various places, but rather elevated.

Crowfoot Germanium in blossom in many places, yellow eyed grass. Some.

Narrow. Very little seen. Begins to blossom.

Horse tail is plenty.

Brakes or Ferns are abundant in many parts.

Carex of several species is in this meadow.

My Record of things in this meadow, June 16. 1849, shows that it was then more advanced than it is now, though not very much. There is more difference where the flood remained on this year some time, than in other parts.

June 1850.

Tuesday 18.

Upper or North meadow. Crops.

Indian Corn } I found about half of these
Broom corn } hoed where I went, as
on the Hockanum road yesterday. Many are
hoed, and almost all will be hoed this week.
I found many pieces of land that were planted
late, on account of water, and not a few planted
early. Corn & broom corn planted the last week
in May are ready for the hoe; and some planted
early in June are now, or will soon be, large enough
to be hoed. All corn planted is up. There is much
more broom corn than Indian corn planted.

Potatoes are hoed as corn.

Indian corn is generally from 4 to 6 inches
in height; some only 3, and some 7 inches, as
it naturally stands.

Broom corn is generally from 2 to 4 inches
in height; some only $1\frac{1}{2}$ and some 5 inches.

Potatoes. Not all up. Generally from 3 to 7 inches.

Corn in the north part of the meadow, planted early,
is more advanced than any on the Hockanum road.

Oats, but few sowed; from 8 to 12 inches high.

Winter Wheat. A few pieces. Only a few heads visible.

Winter Rye. This is good on the higher grounds;
but much of it was injured when the flood remained
some days. Good parcels of Rye are from 3 to 6 feet
high and average from 4 to 5 feet high. Blossoms
or anthers still continue on some heads, and
the ground is half covered with them, in some
places. I incline to the opinion that good pieces
of rye have been in blossom near a week, and
will show anthers two three days longer.

Clover sowed the last year with timothy
(and some sowed the year before) is almost in full
blossom, very red and showy, on good lands.
From 12 to 18 inches high and stands erect. Many
pieces not so forward. The old sort of trailing, lodging
clover is not sown here. There is some called Southern
rather short, and some called Southwestern
or western, which is taller. That which I saw said
to be the tallest of the two. This will need mowing
before July 1.

Herds grass shows some tops, and some
whole heads, but is not conspicuous. Heads partly
covered with leaves. Most of heads not yet visible.

Wild Radish. Some blossoms in oats, &c.

Oxeye Daisy. In blossom near Bark Wigram farm.

Healoms. Some in this meadow.

Jacob Parsons swamp lot, next to meadow bank.
This has not been flowed by a flood for many years—perhaps 20
or 30. Mostly covered with *Carex* & sweet flag. On the
wet part some *Poa nervata*. On the higher edges
Poa pratensis, vernal grass & little tall crowfoot. In
wet part skunk cabbage, Venus pride, *Juncus*, &c.
Some blue iris.

Poa trivialis. I found a few spears in a wet place
in the upper meadow. None elsewhere.

June, 1850.

Wednesday 19.

Garlic. I found in O. Rainbow, 18th and in the other meadow, 17th, scapes and leaves of garlic, or *Allium canadense* or Canadian garlic. The bulbs & flowers at the head of the scape are still covered with bracts called a spathe. The plants smell strong of onions. I never noticed them before.

Rock Rose.

Prigia

Silvery Cinquefoil

} These three flowers used to grow on the plain near Hall's at Bensonville. I now find them in the highway, near the burying ground.

Shagbark Walnuts in the meadow have shed their catkins. The small walnuts are $\frac{1}{4}$ of an inch in diameter, with the lobes of the stigma at the end.

Flowers.

Red Peonies. Probably more than half fallen. But many gay flowers remain in some places, but not on plants generally.

White Peonies, large, double. Opened at Doct. Barretts yesterday. None seen elsewhere. [yes, at Mr Wells. At Mr Shepards to-day.]

Roses, climbing, Boursault. On some bushes $\frac{2}{3}$ or more of the buds are open, & petals begin to fall. On others about half the buds are open, less than half on some.

Yellow Roses. Passed the full bloom at Brights. At Shepards in full blossom, perhaps. Some have fallen & some buds not open.

Scotch Roses. At Brights were in general blossom about 17th or 18th. At Talbols, in general bloom now; fallen petals & unopen buds.

Cinnamon Roses. Are plenty, but not in general blossom.

Other Roses, of several sorts begin to blossom.

Snow Ball. In general they are faded. Some are white yet, but few if any are of a pure white, as they have been.

Syringa. Bushes are generally in full blossom, few petals have fallen. Some bushes are not yet in full bloom.

Syringa with large flowers, will begin to blossom tomorrow.

Yellow Lilies. Are still showy. Many flowers are withered, many buds unopened, and a great many bright flowers. They were about in full blossom yesterday and the day before or 18th and 19th.

Common Locust. In general blossom 17th & 18th. Blossoms fell some 18th and to day. Some flowers are becoming brown, most of flowers fell 20th by wind & rain.

Clammy Locust. Began to blossom to day. Not one bud in 20 open.

Dwarf Locust. These bushes are bent down with the weight of the large buds and flowers. Most buds are open - some not.

Peonies - 3!

Pinks. Common fringed pinks are generally in full blossom or near it. Some bunches are later and about half or two thirds are open.

Sweet William. Some blossoms here & there but not plenty yet.

Thorny Locust. These trees begin to blossom. Calyx and petals are much alike - both green. The anthers are at first large & light colored, but fall or become brown the first day; so no show is made.

June 1850.

Wednesday 19.

Flowers—continued.

Smoke Trees, some are in full blossom. Show no filaments yet.

Tulip Trees. At Wests and Talbots, they are full of blossoms and some of the blossoms begin to fade. At Brights, they are bright & full—a little later than the others.

Spiderwort. Flowers are now plenty, and will be a long time.

Early Phlox. Every gay. Almost in full flower, but not quite.

Rockets are falling. Are much diminished.
Remain plenty.

Trumpet Honeysuckles are full of flowers, but some have fallen.

Fragrant Honeysuckle at Hannums, near Market Street, is like the others as to flowering.

Columbines are plenty. Some are faded.

Celandines. Blossoms plenty by fences, &c. and long have been, and long will be.

Persian Lilac. Some bushes have a number of bright flowers yet: others have none.

Celastrus Scandens seems in full blossom at Fort Hill.

Sage has been in blossom near a week, or 5 or 6 days

White Peonies at Wests, single, continue in blossom

Grasses.

Phalaris arundinacea } This tall grass in Mrs.
or Reed Grass } Waller's lot shows full
panicles, purplish and
handsome, and in blossom. Not fully spread
yet, and not of full height. Began to show anthers
17th or 18th. Only that which grows in old brook
place, or near it, is so forward.

Tall Fescue is now seen in many places, much
higher than the grass around it, or some higher.
It is in blossom, or shows anthers.

Tall Oat Grass at Whitneys. This is quite tall
and many panicles are spread, but I notice
no anthers, no sign of flowering.

Orchard Grass, generally tall. The heads are covered
with the cottony inflorescence, & are whitish.

Whole heads of Hardsgrass are seen, but not plenty.

The Grass in Hinkelley's lot (late Napier's) mowed
to day, is a large portion poa or English; much
vernal grass, hardsgrass, red clover; and
some fescue, crowfoot, &c. There is some Red top
but having no panicle, it cannot be distinguished.

The Grass in Dr. Walker's upper lot was $\frac{5}{16}$ poa pratensis, and
the rest, vernal grass, hardsgrass, red clover, &c.

South Meadow Hoeing. I viewed the meadow
to day from Fort Hill. Some corn planted the first
week in June is large enough to hoe. I saw men
hoeing in various places. Much will be
hoed this week, though less than in the north
meadow, that is, a less proportion.

My remarks about South Meadow do not refer to
Pynchon's Meadow, which is higher ground. I know
nothing about that; have known nothing about it.

June 1850

Thursday 20.

Walked out to Bensonville, A.M. Home Gackett,
Flowers on this Road, or near it.

Bush Honeysuckle is in flower - has been a day
or two, or three. Not full. (*Diervilla trifida*).

Rubus. High Blackberry & Running Berry continue
to show many large white flowers. Raspberry
has still some mean flowers. The small leaf
running berry (*R. cuneifolius*) is not yet in flower.

White Clover } The former is abundant by the road
(Red Clover) } and there is considerable of the latter.

Erigeron No. 1 is frequent. Very little No 2.

Potentilla 5 leaf, and 3 leaf, are by this road.

High Laurel. I saw in lots some bushes
pretty white with blossoms; in general
they had only a few blossoms. Must have
begun two or three days ago, or more.

Low Laurel. I did not see. Wild Iris is fading; some fresh.

Oxeye Daisy. There is much by road side. Not
yet in general blossom.

Yarrow. I saw but little. Is in blossom.

Panicled Dogwood } These are not in blossom, near
Common Elder } this road.

Grasses near Bensonville Road.

Poa aquatica with its broad leaves has put
forth its panicles, near the brook, and they are
purplish, but not fully developed. Are barely
out of the sheaths.

Poa Nervata is more forward in same wet land.
Panicles purplish.

Poa serotina is later. The long panicles not yet all
seen.

Galamagrostis, has no panicles yet. } Blue eyed
(*Poa Canadensis*, I saw no panicles. } grass is seen.

{ Kinds grass, *Poa* (I found some *P. trivialis*) tall
{ *Festuca*, Orchard grass, & some others. Much *Carex*.

About Home

No. 3. Cleome or Erigeron, shows a few flowers and
did yesterday, in meadow and upland.
This is a meadow flower, but grows so near
on uplands. Rays white, and shorter than those
of No. 1, and No 2, and very narrow. Buds are
erect. Disk of many flowers appears before the rays.
Horewort shows small white flowers. (Very few flowers yet.)

Syringa, large flowered, began to blossom to day

Iris, slender & delicate, has begun to blossom at Fallholt.

Digitalis or Foxglove. Lower buds are almost open
or quite. Top ones hardly visible. At Fallholt

Snaphdragon begins to blossom at do.

Reetop. begins to show tops of panicles by roadside.
Has 8 or 10 visible. (Near Boies's)

P.S. This may be *Poa serotina*.

June 1850

Friday 21.

Cherries. They turned red on one tree of Mr Shepard's 2 days ago, on one side, or reddish, and robins have been pecking them 2 days. All green on the other trees.

Button Wood Trees have appeared more forlorn than ever, and it seemed as if they could never recover. Yet within a few days, there are more leaves and greenness about them.

White Maple seeds fell last week and this week.

Elm seeds fell last week.

Brook back of Meeting House & of Strong's barn. By this brook, and almost in it, grow—

Hopecurus geniculatus — has been out some time in bloom.

Poa trivialis — has had panicles some time.

Poa aquatica. This broad leaf coarse grass is plenty here. Leaves almost as broad as sweet flag or quitch. Panicles out but not developed fully. Same as by road to Bensonville as to forwardness.

Red Clover { These three plants, in home lots
Poa pratensis { are about in full blossom
Tall Buttercups and were so perhaps a day or two since — perhaps not. The English grass may be a little more advanced than the others, viz. Clover & crowsfoot.
White Clover is in about the same state of forwardness as the red, but is not seen much in home lots.

Rail Road and South Meadow.

Went down to Hockanum Island to guide brother Johnson's little girl, who came up yesterday.

Hoeing. I found that corn & broomcorn planted June 4-5, 6, 7 was large enough to hoe; and many were. Hoeing corn & broomcorn planted the first week in June, I think most of the corn in South Meadow will be hoed this present week but not all. — Corn is more advanced in Hockanum meadow than in most of the South Meadow. Is generally hoed once — not all.

Plants on Rail Road.

These are early, the soil being much of it warm & sandy. Grasses of most kinds are found on the road as, English, Vernal, Panic, Hardsgrass, and others. The *Eritricum* is increasing yearly. There is some

Poa compressa, and considerable *Poa serotina*.

The *Poa serotina* grows on sand here as it did on the plain at Bensonville, though generally on plant on moist ground. The panicles are not fully out — are very long when wholly out.

P.S. I suspect most of this is red-top. See June 26.

Common Elder has broad cymes of buds but no flowers.

Panicle'd Elder has red berries. Only a part red yet.

Flowering Raspberry has no flowers yet, on Rail Road.

Arrow Wood (*Viburnum nudum*) began to blossom 2 or 3 days since. Some bushes quite white, and some have more buds than flowers. By Mill River.

Calamagrostis, by Mill River, shows tops of panicles. Leaves are bluish green.

Mullein begins to bloom on rail road.

June 1850
Saturday 22.

Flowers.

Roses are now very plenty, of various sorts and kinds, and daily increasing. Many species have but just begun to blossom, & many have not begun.

Boursault or high Roses are in full blossom if having many buds, & about as many flowers wholly or partially fallen, makes full bloom. They are not and will not be so beautiful as they have been, because there are so many that have lost a portion of their petals, & present a ragged appearance, yet they still make a good display.

Cinnamon Roses seem to be about in full bloom.

Scotch Roses. Most have fallen. They remain on some bushes.
Rosa serotina. Blossoms are nearly all fallen.

White Roses, old sort, sometimes tall, began to blossom one or two days since. Not a great number open.

Yellow Roses. All declining, but many remain.

Wild Eglantine, east of buildings on Round Hill, has blossoms. Have been out a day or two.

Syringas. Some flowers have fallen, and from a few bushes many. Yet they generally appear bright & full & bushes make a good display, or most do.

Common Fringed Pinks are in full glory or a little past.

Sweet Williams are plenty. Some in full blossom; in general not full. Some plants have not begun to blossom, or barely begun.

Locusts, Common, have shed almost all their flowers.

do Clammy, have many flowers and many buds.

do Dwarf, hispid, are in full blossom, and bent down under the weight. Some falling.

do Thorny (*Eleditschia*) show an abundance of buds and of green blossoms, and the most forward ones cover the ground with something.

Smoke Tree. The brownish, or smoky filaments just begin to show themselves, instead of blossoms, but not many blossoms have fallen.

Early Phlox. These flowers are in full glory - very showy.

Greek Valerian & Both show an abundance of flowers.
Tall Valeriana *phn*

Lycopers, of different colors, are plenty at Bright's.

Forsyglow or *Digitalis*. Lower flowers on the stalks are open, both purple and white. Upper ones will open by degrees.

Delicate blue Iris. An abundance at Talbot's. Not full.

Feverfew. Yellow disks have been seen some days; now the white rays are seen on some flowers.

Fumitory has blossoms. An annual plant.

Bachelor's Button, (*Antennaria*), had some flowers 2 or 3 days since.

Tulip Trees. Most of the flowers remain at Talbot's and Bright's. Many are faded & many are bright. Some have fallen.

Meadow Rue is in blossom in Anne Clarke's meadow - has been one or two days. None seen in flower elsewhere, but may be.

Pink Peonies begin to blossom at Mr. Wells.

Larkspurs begin to blossom at do.

June 1850.

Saturday 22. Flowers, &c.

Round Hill, Top, Backside, Front.

Panicled Dogwood - just begins to blossom, backside.
Bush Honeysuckle, has been in blossom 2 or 3 days or 4. In woods.
Cow Wheat - has been in blossom a day or two. In do
Squaw Whortleberry. These blossoms have been out
some time. A few have fallen. In woods

Jacob's Ladder. These tall plants have been in blossom
some days. Some by fence between Hunkley & Salbot
are 8 feet high.

Veined Hawkweed begins to blossom. Back of Hill.

Rock Rose. Blossoms very plenty on plain, back of Hill
Krigia. A few blossoms on do - " of "

High Laurel. Has been in blossom a few days. Not full. In woods

Low Laurel. More advanced than the high. In & then.

Spiked Maple (*Acer spicatum*). The clusters of
flowers partly remain, and partly are changed
to seeds or samaras. These seeds are yet erect and
not pendulous. West of Buildings.

Ribwort Plantain. This continues to flower for
months. In the mowing on the east side of the
Hill, the flowers are now only near the tops of the
spikes, and some spikes have completed the
flowering process. They resemble spikes of the
Clopecurus pratensis, and are almost as
thick as spikes of herdgrass, where that grass
is plenty.

Maple Leaf Viburnum. Seems to be in full flower in wood
Sanicle in woods may have been in flower some time. Flowers whitish.

Grasses.

Tall fescue. This is abundant in the mowing on
east side of Round Hill; in large spots it is above
all other grass, & seems to be the principal grass.
It is generally in flower. The stem & stem leaves
are of a different green from that of the radical
leaves; & the latter are more narrow and glossy
than the stem leaves. It appears to me to be
Festuca pratensis, and not *Festuca elatior*,
but I am not certain.

Holcus lanatus or Soft grass grows on lower side
of mowing just mentioned, in and near the bath
used by the Hill residents & visitors. Some in blossom
& some not. 18 inches to 2 feet high. The panicle
leaves & sheaths downy and soft. I never saw
any growing before. Whitney found some.

Danthonia. This mean common grass is shooting
out panicles on the plain back of Round Hill, and
a few are in blossom. Most however are small and
not yet developed, & many not out. Makes no show
yet.

Tall Cat Grass at Whitneys is now in blossom

Tall *Phalaris* in Mrs. Wellers lot. Mr. Lawrence's, &c.
is now developed, and exhibits large panicles
white with inflorescence, and a slight purplish tinge.
It makes quite a show.

P.S. Most of Whitneys gone June 25.

June 1850
Saturday 22.

Erigeron or *Fleabanes*. There are now four species that have blossoms; two of them have but few, No. 1. or *E. bellidifolium* (Roberts Plantain) still shows bright blossoms, though some are faded. No. 2. or *E. Philadelphicum* shows flowers and buds, and some faded flowers— is not much passed full blossom, if any. No. 3. or *E. Strigosum* has had flowers only 2 or 3 days and not many now. The variety *E. integerifolium* is commonly found here; smooth stem and leaves and most of leaves entire. Perhaps the other variety of *E. strigosum* is here, a rough, hairy plant, and leaves with teeth in the middle. — No. 4. or *E. annuum* has exhibited flowers for a day or two; is almost as far advanced as *E. Strigosum*. This is the tallest of these four *Erigerons*, & has the stoutest stem, and has hairs on the stem and leaves.

First Hoeing of Corn and Broome corn has been mostly accomplished in the 12 days, or two weeks, June 10-15 and 17 to 22, or the second and third weeks in June. There is some to do next week, especially in South Meadows.

The Second Hoeing has commenced. The present week, but not very much has been done. Many people hoe the second time as soon as they have finished the hoeing the first time. Some corn is large enough to be hoed the second time, and weeds grow fast. The second hoeing will generally commence the next week; some the week after.

Weeds in the garden at this season. Pigweed (*Acheneopodium*) Chickweed, Purslane, Shepherd's purse, Hogweeds, or *Amaranthus*, Heartcase, Elover, Garden panicum, annual poa, and other grasses & herbs.

Strawberries, wild, are said to be ripe in some places in this town; not quite ripe in Westhampton.

Green Berries are seen on Alternate Dogwood, *Viburnum lentago*, Solomon's seal, Sarsaparilla, Baneberry, and other plants, Hawthorns.

Fruits. Apples, Quinces & peaches are seen $\frac{3}{4}$ of an inch in diameter, or more.

Cocnut aments are 6 inches long, and some are 7 inches. Not in blossom. June 25.

June 22. 1850 is about as June 20. 1849, June 14. 1848,
June 22. 1847, June 8. 1846, June 13. 1845, June 8. 1844,
June 22. 1843, June 18. 1842, June 17. 1841, June 12. 1840,
June 17. 1839, June 20. 1838. How these dates are conjectural.

June 1850

Sunday 23. A stranger preached
Frances & children came in yesterday and
Edward came in and carried them out this P.M.

Monday 24.

Tuesday 25

Blossoms.

Magnolia Glauca at Talbot's has begun to blossom.
One or two blossoms partly open yesterday. Four to-day.

Syringa, large flowered, is in about full blossom. 26 is maroon.

Syringa, common. Flowers fast falling, but many remain.
Some bushes, rather shaded are almost full. Some have lost almost all.

Canterbury Bells begin to show themselves. Perhaps were open 24th.

Yellow Iris is at Williston's. not noticed before. Flowers fading.

Horehound, looks some like catnip. is not the water horehound
in blossom at Williston's. leaves very bitter. Flowers grow
like those of mint. It is the Marrubium vulgare.

Roses are the great and showy flowers of the
present season, and will be for some time.
The species and varieties are endless.

Boursalt Roses. These high Roses are fast losing petals
and new buds are opening. They still make
much show, but their appearance is not neat.
Many are ragged & deformed. Some are bright.

Burgundy Rose. These neat little Roses are losing their petals.

Moss Rose. Mr. Shepard's bush had one or two open June 24.
Some open elsewhere some close.

Indigo Weed at West's has shed almost all its flowers. Large pods seen
yellow lilies are mostly gone, but some bunches remain
many yet.

White Peonies are in general blossom. A few are fading.

Pink Peonies are increasing. Most buds are unopen.

High mallows, white and purple, began to blossom
yesterday. Perhaps all mallows.

Low mallows, a naturalized plant, has been in blossom
some time.

Scarlet Lychnis just begins to show itself. Several
other colors have been out some time.

Glammy Locust is in full bloom, or as near as
it will be. Inflorescence very heavy. The
racemes have unopened buds at one end,
and faded or fading flowers at the other end.
The flowers seem short lived.

Dwarf Hispid Locust. Flowers are fading & falling.

Thorny Locust (Gleditsia). The buds are mostly
open, not all. The flowers are now brownish.
The ground under some trees is covered with some
parts of the inflorescence.

Smoke Tree. Flowers have almost all fallen. The feathery
fruit stalks are short, but begin to have the smoky
color.

Poppies are plenty at (Brights). A few elsewhere.

Satin Flower. Lunaria biennis. Some flowers continue.

The silicles or pods are abundant; some 1 1/2 by 1 inch. Thin.
Common inbred Pinks are abundant. Some on the wane.
Sweet Williams are in their glory; a great variety.

June 1850

Tuesday 25.

16. 205 Grasses. [See June 28. 1851.]

Mr. Talbot's mowing above the canal has been partly cut to-day. Some before. In examining the grass standing and that cut, I find the following sorts. The lot is moist, not swampy, and is kept in good order by manure.

- 1 Poa, chiefly pratensis, some trivialis, may form a larger part than any other species.
- 2 Vernal Grass (*Anthoxanthum*) maybe meset. It is all green but the brownish chaffy panicle. Has many leaves. Is not so tall nor so heavy as Poa, but more plenty in many places.
- 3 Herd's grass. There is considerable of this. Heads are partly out or fully out, but not yet far above the leaves.

Redtop does not generally show panicles. Some.

Festuca, *Carex*, & a little of the water Poas.

Red Clover is scattered over most of the land, not all.

White Clover shows heads thinly scattered but in examining the grass, it is evident that the leaves of white clover form much filling, in the lower part of the grass. Perhaps this clover is No 4. as to quantity.

Buller's cups & Fleabane, some other herbs & some

Water Poas.

These are *Poa aquatica*, *nervata* and *serotina*. They are found where the land is good, in almost all wet and swampy places and by springs and running water, in mowings, in all parts of the village, and on the outskirts. The *P. aquatica* is the coarsest grass and grows in the wettest places. The *P. serotina* is the best grass, and is not generally on so wet ground as the other two, but near them. The three are not far apart. The *serotina* grows much thicker than the others, has a slender stalk and easily falls or lodges.

The *Poa trivialis* is also found near the others in many places; and in places which are too dry for the others. It likes wet or moist land but not standing water; is not found on dry land. I find it in good mowings, in low, moist places in most parts of the village, generally having *P. pratensis* among it or near it. It is commonly of a paler green, & having less purple than the *P. pratensis*, but it is found in spots having the same color as the *pratensis*. Panicle longer.

Reeds and rushes, of the *Carex*, *Scirpus* and *Juncus* genera very often grow with the water Poas. — *Poa canadensis* is also a water poa but I do not notice this about the village. There are other water Poas that are rarely seen.

Panicums. Some of the wide leaf *panicum* and some with leaves not so wide, have shot out panicles.

June 1850

Wednesday 26

Grasses.

Redtop. I have been a little puzzled with this and have sometimes called it *Poa serotina* where it grows up tall. Woodsays the *Agrostis vulgaris*, or Redtop, has short truncate stipules, but they are neither short nor truncate in the Redtop which I find - are much like those of the *Poa serotina*, and the panicles much resembles those of the *P. serotina*, and are long - some 8 inches or will be when unsheathed. The Redtop has however broader leaves, and a stouter stem than the *serotina*; is not generally so tall, & is much more bent or kned at the joints, generally.

Can it be that the Redtop which I find is *Agrostis alba*, or white top, which has a long stipule? or is Wood mistaken?

No panicles, that I see, are fully out yet. Very few are half out.

English Oaks. The English Oak at Brights which was later than any other, has peduncles 4, 5, and some 6 inches long with one, two or three little acorns, less than buckshot, near the end. The other English Oaks in the same clump have peduncles from $\frac{3}{4}$ of an inch to 2 inches in length generally an inch and a half or more, with small acorns near the ends. One tree near them quite short. Mr. Goy's Eng. Oak has peduncles about 2 inches long.

Eng. Cherries. Some trees have cherries mostly red and nearly ripe, and the Robins are plenty about them. Many trees still have green cherries, and no others. Most have both green and reddish cherries, the cherries having begun to turn red. Mr. Shopari's trees are, some considerably red, others with reddish cherries and green cherries, and others with cherries nearly all green.

Road to Bensonville.

I walked out to B. and back P.M.

Water Poas. The *P. aquatica*, *nervata*, *serotina*, and *Canadense* all grow plentifully in spots by the side of the brook, often near each other. The two latter are not so forward as the two former.

Redtop, on the plain and elsewhere on dry land, is short & begins to show full spread panicles with fine branches. This short delicate grass I used to consider *Agrostis alba*. Do not know. The larger kind shows only a part of the panicles and is generally taller. Stipules seem about the same.

Laurels. High Laurel, by roadsides, and in fields, is generally white with blossoms, and there are buds many. Not full bloom yet. The low Laurel is full of pink or red blossoms and buds - not yet full.

Enigeron. No. 3 is in blossom on the plain and on lower land. A little No. 1. No 2 and 4 hardly seen. All heal is in blossom.

June 1850

Thursday 27

Flowers, &c.

English Linden or Bass. Some trees at Bright, begin to blossom. One or two have only buds. Many of the floral leaves have fallen, but these that fall in general have no flower buds connected with them.

Privet or Prun (Ligustrum) at Mrs. Dwight's begins to blossom. Very few blossoms yet.

Common Elder begins to blossom. Perhaps it began yesterday. Very few flowers. Bushes generally have not commenced.

Loosestrife, four leaved, has flowers—probably began a few days ago.

Panicked Dogwood. Some bushes began a few days since, to open blossoms. Many are just beginning.

Friday 28

Tulip Trees. Most of flowers have fallen, but some bright ones yet remain.

Syringas, Common. Flowers have mostly fallen.

Syringas, large flowered. Are yet full. But few petals have fallen, and some buds are unopened.

Clammy Locust. These trees are still heavily loaded with flowers. Buds are all open. Flowers shake off very easily.

Roses are in great glory, but several species are losing their petals. The Boursaults look sorry, though many remain on the bushes.

Mullein Pinks begin to blossom. At Bright, Maple Leaf Raspberry begins to blossom, at Bright.

Strawberries are gathered from gardens. Some were picked several days ago, & sold at 25cts a quart.

Green Peas are gathered by a few.

Currants. Most are green. Some are turning red.

Saturday 29.

Siberian Spiraea. Mr. Shepard's began to blossom today.

American Bass Trees have a very few flowers. Just begun.

Pink or Pale Peonies are about full. Some unopened buds.

Pall Meadow Rue, is full of flowers in the mowings. Some plants have not begun to blossom.

Common Elder is whitish with buds, but very few flowers are yet seen on uplands.

Herb's Grass. The heads are generally in sight, and most are more or less above the upper leaf, but none are so high as they will be. I do not observe any in blossom.

Eng. Cherries. These are ripe on some trees, and generally have some red. Some are entirely green.

Thimble Berries. Forward ones are $\frac{2}{3}$ grown—All are green. White Peonies are not all gone.

June 1850

Saturday 29.

Hoeing. Much of the first and second hoeing of corn & broom corn has been done this week. It is said that not much over half of the second hoeing has been done in the north meadow, and still less in the south meadow. Next week will be a week for second hoeing as well as this. First hoeing must be nearly done on all kinds of land.

As the first hoeing was principally from June 10 to 22, so the second will be chiefly from June 24 to July 6.

Haying. They have begun to cut the Quack grass & ~~St. Augustine~~ on the lower side of Old Rainbow, and perhaps on the lower side of Middle meadow. Two or three pieces of clover have been cut in the upper meadow - not much however.

Hornelot and other Haying has been checked by rainy weather. The grass on hornelots is stout and much of it lodged. Many lots not yet mowed.

English Grass (*Poa pratensis*) on hornelots. The panicles have generally (not all) turned brownish or reddish brown, from age, and are becoming dry & chaffy, like the tops of the vernal grass. Many however have not turned.

Leaves of English grass, seem more numerous than those of any other species; English grass seems to produce more hay in proportion to the stems than other kinds. Inferior to Radical leaves.

P.S. In both meadows, July 1. the panicles of English grass were generally brownish or reddish brown & seemed dry.

Flies have been increasing some days past. are not plenty yet, but there are enough to be a little annoying.

Apple Tree Worms. No nests are seen, and not a worm is seen crawling about.

Crickets. I do not hear them distinctly in the evening, in the village, sometimes a single one.

Bugs are flying about in the evening, but I know not what kind they are.

Lightning Bugs are very plenty.

Skunktoes are about, but not many in the house.

Squash Bugs. I have been very little troubled with them, of any species.

Bats are seen in the evening. Whitney thinks they live in hollow places in the Great Elm at Mr. W's house.

Millers. A few are seen.

Frogs. Very few heard.

Crickets in the meadows. I could hear one at a time July 1. Grasshoppers in the meadows. I noticed none. July 1.

Sunday 30.

I was unwell yesterday and to day but kept about. Did not go to meeting to-day.

July 1850

Monday 1

Garden Flowers.

Roses, Valerians, Sweet Williams, { are the
Lychnis, Mallows, Foxglove, { principal
Honeysuckle, Spiderwort, Pinks, { flowers of
Feverfew, Larkspurs, Poppies { the season
Campanula Bells, Bachelor's Buttons, { in gardens.

White Lilies show no blossoms

Hollyhocks show no blossoms.

Red Lily, with many on a stalk has one
open flower at W. H. Stoddards. Blossoms erect.

Glammey Locust. Trees are still pretty fully loaded
with flowers, though a little lightened.

Syringa, large flowered. Still nearly full.

Moskatoe has been seen for some time, but
not many flowers out yet.

Dahlia's. A few early blossoms at Whitcombs.

Delicate Iris at Talbot's. These have made quite
a show, but are fading.

A shrub at W. H. Stoddards, full of blossoms, white, & new some.

Spiraea lobata

Spiraea ulmaria } These are not yet in blossom.

Privet has many blossoms, not full.

On & near Rail Road, upper part.

Common Elder by Mill River & Rail Road. Some bunches
have half the buds open; some one fourth, and
some have not begun to blossom. Not quite so for-
ward on uplands. Flowers & buds make much whiteness.

Garget or Pokeberry. Has just begun to blossom on Rail
Road. Very few flowers. Perhaps began yesterday.

John's Wort, common, has begun to blossom on R.R.

Silkweed or Asclepias, common, has begun to blossom
on R.R. Probably began 29 or 30th June. But few blossoms.

Mullein has shown blossoms some days on R.R.

Vervain begins to blossom on R.R. blue.

Yarrow. Not half the buds are open on R.R.

Pond Lily in water by R.R. has shown flowers some time.

Wild Morning Glory. Has flowers. May have been out 2 or 3 days.

Scabish (Oenothera) the tall species just begins to flower.
Only two flowers seen on R.R.

[Garden Scabish, a Bright, has a few blossoms.

Tall Anemones are in flower at Fort Hill. May have begun
one or two days since.

Canada Thistle shows a few blossoms, perhaps a
dozen, on Rail Road. I have seen none elsewhere.

Staghorn Sumac has some blossoms. Perhaps
they began one or two days since.

July 1850

Monday

Comparison of this season with past seasons, as indicated by flowers, &c

July 1. 1850 is very near to
June 29. 1849, or two days later
June 23. 1848 or 8 days later
July 1. 1847, or same.
June 21. 1846 or 10 days later.
June 26. 1845 or 5. days later.
June 19. 1844. or 12. days later.
July 1. 1843 or the same.
June 28. 1842 or 3 days later (not certain)
June 27. 1841 or 14 days later
June 26. 1840 or 5 days later
1839. uncertain.
1838. uncertain.

Crops in South Meadows &c

Corn. Some planted in June last days, gullay is from 7 to 12 inches high, or from 6 to 14. Straggles about 9. Some pieces, not so tall, or from 5 to 9 inches. Some hills, 16 inches high. Not all hoed once, but some are hoeing the second time.
Broom Corn, planted as above, is from 4 to 9 inches high, some pieces from 5 to 8. Hoed about as Indian corn.
Corn on South Street Homelots is from 16 to 24 inches in height as it stands, or from 12 to 27. Gnaaney Clark has piece still taller.
Rye on South Street Homelots. Some heads are yet erect but the greater part are between erect and horizontal, and some are below horizontal. kernels seem almost full grown.
Wheat on South Street Homelots. Only one or two pieces seen. Some heads show white anthers and some do not. kernels seem $\frac{1}{2}$ grown $\frac{2}{3}$ grown, &c. Some not half grown.

Herds Grass. Some heads are in blossom on meadows and uplands, in general, they show no anthers or blossoms.

P.S. On further examination, I think $\frac{1}{10}$ may be in blossom and in some places $\frac{1}{8}$, in meadows & uplands.

Reed-top in ploughed meadows & uplands has many panicles half out, many fully out but not spread; a considerable number spread & most of the spread ones are full of whitish anthers; giving the panicles whitish, purplish and greenish hues with the paleae, &c. Most heads are purplish before blossoming. Some panicles are short, some are 8 or 9 inches in length. None of the stipules are short, none entire.

July 1850.

Monday 1.

Crops in North Meadow. I walked down almost to Young Rainbow, P.M.

Indian Corn. There is much less of this than of Broom corn - not half as much I think. On low ground and planted late it is from 6 to 10 inches high, as it stands; on higher ground and planted earlier, it is from 8 to 12 inches and 8 to 14 inches; and some pieces, are from 12 to 16 and 12 to 18 inches; some hills, are 20 inches.

Broom Corn. On low, late land, it is from 4 to 7 and 4 to 8 inches high; much of this; also much on higher land from 5 to 10 inches; and some pieces from 9 to 12 inches. Some hills are 14 or 15 inches high.

Hoeing. All the corn that I noticed had been hoed once and near half twice. Many are hoeing the second time. Broom corn is in nearly the same condition. It much nearer Indian corn than it was last year. Most of the "many" hoeing, ~~were~~ upon broom-corn. I noticed no Broom corn not hoed once. I do not refer to the lower part of this meadow, as I did not see it.

Potatoes. Hoed as corn. Some pieces are in blossom - were planted early.

Rye, on land not flooded much, is similar to that on South Street home lots (see preceding page) but is stouter, and not quite as forward - heads not quite so much inclined, or drooping. But little difference, however.

Wheat, was not quite as forward as on South Street lots, but stouter. More anthers seen and many on the ground - white. I conclude that wheat has been in flower some days, and is passed the full.

Haying. Two or three lots that I passed, had been mowed and the hay carried to the barn. They were clover. I was told that some had mowed Quack grass on the east side of Rainbow - clover heads begin to fade & dry up.

Oats. I saw not enough to tell what state they are in.

Peas sowed broadcast, for green peas, were in blossom.

Wild Radish flowers are seen, but not plenty.

Cockle shows its pretty flowers among wheat, in this meadow, & in South Street lots.

Cheese shows itself in wheat in meadow & upland.

Wild Morning Glory is in flower among Rye.

Meadow Sweet is in blossom by meadow road.

White Bush or Pepper Bush, shows its flowers almost round, & with a small opening by meadow road.

Prinos verticillatus is in flower by meadow road.

July 1850

Wednesday 3. Route to Augusta.

Left Reading at 7 $\frac{1}{2}$ A.M. Arrived at Portland at 11 A.M. at Bath at 4 P.M. Took boat at Bath and reached Augusta soon after 7. Rode with wife to house of son-in-law, Joseph H. Williams. Found Joseph at the boat, and Apphia & Penimiah at the house,

A poor country for some miles after leaving Reading, and much of it covered with brush and young trees. Many swampy places, much white birch. Dover and Haberhill have a better soil, and land is more uneven, but no high hills.

New Hampshire. Plaistow seemed flat & low. From Kingston across to Dover and to Maine line, was better land than I expected. Much of it pretty good land.

Berwick in Maine is a passable township; thence to Saco river is not so good - much of it covered with brush & small trees. Some decent farms. Some decent land between Saco and Portland. Good land at New York & Freeport, between Portland and Brunswick. Poor rocky land towards Bath. Some good land on Kennebec river above Merry Meeting Bay.

Crops.

Indian corn was about the same from Connecticut river to Dover. About as large, in New Hampshire as in Massachusetts. A little near Boston may be larger than the rest, except some on Connecticut river. Even in Maine, there was corn quite as large as in some of the lean towns of Massachusetts, but there did not seem to be much planted in Maine. Corn from Reading to Dover and Berwick was generally good twice but not all; some were bad. Not a great deal on this route. Potatoes frequent. Many beans.

Rye. There was some north of Reading. Generally short. About as far advanced as on Connecticut river.

Grass. No hay was cut north of Reading, and very little south of it or west of Boston. Yet English, Hudgrass, Red top, Clover, Festuca, &c. seemed about as forward all the way to Portland as west of Boston, some about Boston and on Conn. River excepted.

Oxeye Daisy. I found more or less all the way from Connecticut river to the Kennebec; but it increased towards Boston; and again increased very much in Maine. The Maine grass lots are full of it. It seemed to be in about the same state all the way to Portland. Not quite so forward in the rest of Maine, or on the Kennebec. The fields on the Kennebec are not so white as they will be; but the plant is nowhere more abundant than on the pretty good clay soil of the Kennebec. The common (Trifolium) (R. acris) is very frequently mixed with it, and then is yellow and white. In many places, especially in New Hampshire, there is much red clover with it, and the three colors are prominent, red, yellow & white; or only red and white, with green.

In many towns in Massachusetts, New Hampshire and Maine there is not much cultivation visible from the Rail Road. Pasturing and mowing are everywhere, in cleared land. Many patches of corn & potatoes, but in general small.

July 1850.
Wednesday 3.

Forests became more evergreen in going north. White pine, yellow pine, fir, spruce, &c. White cedar continued. I know not how far north. Red cedar was as plenty in Eastern Massachusetts as any where. Hackmatacks appeared in Maine. Mostly the maple which I saw was red maple, or nearly all. Much oak; some elm, walnut, beech; a great deal of white birch, deltoid leaf.

Chesnut. I am not certain that I saw any trees north of Boston; I am sure I saw none north of Reading.

Large trees are seldom seen. A great deal of land is uncleared, but large timber is not seen. There is an abundance of land covered with small trees and bushes.

Fencing. Stone walls, rails and boards are seen in Massachusetts and New Hampshire. but in Maine the rails nearly cease, and in many places there are few or no stones. The Rail Road is fenced with posts & narrow boards, and many fields also. Extensive tracts seem to have no fences. Maine has no fencing timber, it may be said in general terms, and it must be nearly at an end in some parts of Massachusetts and New Hampshire.

July 4, 1850 at Augusta. Thursday.

Some ringing, firing, burning crackers, &c. Sylvester delivered an address. I kept away from all these things. P.S. Fine works in evening.

Vegetation in Augusta.

There is much less difference between Northampton and Augusta than I had imagined.

Mowing lands. I find that some grass was cut here last week, and some this week - not much however. Mr. Reuel Williams has a piece that has stood in the cock some days, on the Matto road. In the home lots of Mr. Williams senior, son Jos. H. Williams and son Sylvester, I find the following plants:-

Early Vernal Grass, (*anthoxanthum*) not very much.
English (or *Poa pratensis*) not so plenty as in Mass. Panicles are many of them brownish; some are purplish & not faded. Some or most is *Poa pratensis*, but some is roughish with long stipules, & must be *Poa trivialis*.

Water Poes.

Poa aquatica is in most wet places, by little streams and in swales. Not quite so far advanced as in N.H.

Poa serotina } These grow near the *P. aquatica*.

Poa canadensis }

Poa nervata. I have seen very little of this. P.S. more E. of Hill.

Festuca. The same species that grows in N.H. Quite common.

Herdsgrass. Some is in blossom. Considerable of this.

Danthonia. Is on exhausted places; generally on elevations.

Red top. Much of this. 2 sorts as in Mass. The shorter, smaller kind is spreading its panicles - has small branches, &c. The taller sort shows $\frac{1}{2}$ or $\frac{3}{4}$ of the panicle - sometimes the whole.

Poa compressa I find; also *Poa annua*.

July 1850

Thursday 4.

Vegetation in Augustae - continued.

Flowers of Mr. Williams, Sylvester, & Joseph.

Red clover } Some heads are withered. They are a little
White clover } passed the full, or at the full.

Erigeron. The only species at Reading, at Wells where the cars stopped, and at Augusta is the *E. strigosus*, variety *integerifolius*. It has only begun to blossom; but few open yet at Augustae. Earlier at Reading. I am inclined to think that this is the only species between Boston & here.

Yarrow. I have seen ever since I left home. In Augustae it is almost as forward as in N.H.

The whiteness of the Fleabane, No 3, & yarrow are not distinguished among the Oxeye daisies.

Mary weed, shows the yellow disk and begun white rays, not yet perfected.

Triticum repens or Quake grass or witch grass. This is abundant in Augustae; scattered all most every where. Much of it grows rank & tall. It shows full spikes.

Oxeye Daisy. This makes more show than all other flowers. Large fields and large tracts white with it on both sides of the river. It has large full flowers, and is now apparently in full blossom. I imagine it did not show so much as it really was yesterday, on account of the rain. It seems to be luxuriant on these good clay fromelot pastures.

Great meadow Parsnip, or something similar, shows its white flowers, but most are withered.

Dogsbane (*Apocynum*). The species with pink or purple inside of the blossoms is in blossom.

Will Anemone shows flowers, rather green yet.

All Heal is plenty, in flower.

Four leaved loosestrife has been in blossom some days.

Low Laurel (*L. angustifolia*) shows its pink or red flowers here abundantly; and I saw many near rail road in Maine. I have seen no high Laurel in Maine.

Blue Wild Iris is plenty in Maine; fading.

Common Fivefinger is plenty, & some with 3 leaves.

Low Cornel is abundant by side of Road to Windsor in the woods; but many, if not most, of flowers are gone.

Maple Leaf Viburnum is in full blossom by the same road, in woods.

Maple Leaf Raspberry has flowers.

Walked P.M. on Windsor Road, East, to a

cross road running N.S. a mile or more.

Then went N. to another E. & W. road, & come back in that to top of Matta hill, where it intersects with the other. Some good land where I went.

Stout herds grass and clover on the clay soils. I saw one piece of corn from 9 to 12 inches high & head twice.

Oxeye Daisy and more Crowfoot are abundant where I went. Some flowers yellow. Crowfoot as well as the Oxeye is more abundant than at N.H.

July 1850. Thursday 4.

Vegetation in Augusta - continued.

Running Berry - has blossoms, & buds.

High Blackberry. Some blossoms remain.

Wild Raspberry. some blossoms remain.

Blue eyed grass is here.

Venus Pride is here, but I have seen very little.

Stew berries are ripe here in mowings,
and they are sold at 10 cts per qt. hulled.

Linnaea Borealis. This pretty flower is very
abundant in woods by Windsor road &
by Belfast road.

Fences. In my afternoon walk, I saw
fences of stones, of logs, of poles, of brush,
of stumps, of wide boards, of narrow
boards, and of two or three of these materials;
but I saw not a single rail till I
came back to Mr Williams' fenced
lots; he has logs, poles and rails of
arbor vitae.

The woods which I saw are chiefly a
second growth - white pine, hemlock,
fir, spruce, red maple, ~~black~~, white
and yellow birch, beech, Oak, elm,
iron-wood, &c. Some ash, bass, &c.

Birds. The woods were full of music. It was from
wood birds. The same notes that I hear in
woods near home, but more at once. I hear
the same wood notes sometimes at house of son J. H. W.

I was at Sylvester's twice to-day; and called
at Mr Daniel Williams.

Friday 5.

On History of Norridgewock. AM.

Rode with Apphia P.M. two or three miles
or four, North ~~east~~ terty, or easterly and then northerly;
and came back by a different road nearer the
river.

The land generally clayey. Some quite stony or
rocky. Some poor. Much good land & some good
farms. Fences as mentioned yesterday as to materials.
More good stone walls, or Decent walls.

Corn. Saw several pieces from 8 to 12 inches
high, and one 10 to 15 inches. Some from 6 to 9 inches.
Small pieces. Not much corn planted. Some potatoes.
A little rye, and some oats.

Grass is evidently the main produce of the
earth for the farmer. Hardsgrass & clover are the grasses
sown, and the main grasses in mowings & more
Hardsgrass than clover. Oxye dairy & tall buttercups
come in of themselves, with redtop, English, water, poor,
white clover, early vernal grass, festuca, &c.

Panthonia predominates in some poor pastures.

Sedges & rushes or plants of *Carex*, *Scirpus* and
juncus genus are plenty on wet land & swamps.

July 1850

Saturday 6. West of River.

On White's Natural History of Selborne. AM.

In Afternoon rode with Apphia on the west side of the river, on the road which winds on the summit of the lofty elevation that is nearly parallel with the river, and not a great distance from it, about 7 miles northward, to Sidney; thence turned west and rode about a mile to another road in Sidney, running N. & S. on rather high land; followed this road southerly through part of Sidney and Augusta, & turning South easterly, came into the village again. West of us could be seen another range of farms, houses, &c. on a third N. & S. road. At Sidney, we were opposite some part of Nassalborough.

The land over which I rode & that which I saw farther off, was some hundred feet above the river; was a succession of broad elevations running N. & S. interrupted by some lower levels, and some deep valleys, running E. & W. the latter generally the channels of brooks at the bottom. It was a fine looking country - full of gradual slopes, green, and gentle; some covered with woods, but more with grass, orchards, &c. and houses & barns were plenty on these roads. The land was not rocky nor broken, in general; there were a few ledges of rocks, and some quite steep side hills, but in general a fine farming country with but little waste land. The soil is clayey, as it is nearer Augusta, but on the second road there are some spots of light sand above the clay. Far in the distance westerly, or several miles, I could see high hills, not mountains, but nearer there were no hills very prominent for height.

Grass, or pasturing & mowing, is the principal source of the farmer's income. There are fine fields of grass in abundance; mowings of herds grass and clover, with some mixture of other grasses, white clover, oxeye daisy and leuttercups. Much of the grass is stout. There are many good pastures with much white clover. Some lean spots with danthonia, &c. Vast quantities of hay are sold by the farmers.

Indian Corn, I saw many fields from 8 to 12 or 14 inches high; and several from 12 to 16 or 18 inches high. Beans are often planted with corn; in some pieces, there are beans in every hill of corn. Pieces of corn are not large.

Potatoes many; Oats, some rye, are raised.

Fences of such materials as before mentioned; some good walls; more rails than I have seen before, doubtless of some evergreen.

July 1850

Saturday 6. West of River.

Common Elder is not in blossom.

Canada Thistle is not in blossom, except 2 or 3 heads.

Mayweed by roadside shows blossoms.

Cinnamon Roses seem to be naturalized by fences.

Often seen, are on the wane.

Erigeron. But little noticed. All *E. strigosus*.

Water Poas, especially *P. aquatica*, are often seen.

Cultivated Flowers. Some about houses, not many.

Shade Trees. Many or most houses entirely destitute.

Fruit Trees. Apple trees are almost the only ones among farmers.

Beech woods. I saw some pieces that were mostly beech; some hard maple &c. mingled.

Hills or eminences. After I left Boston, I saw no high, prominent hills in Massachusetts, New Hampshire or Maine. There is high land but no isolated hills. I saw one hill about Wells. The hills which I saw to day west of the river are the highest I have seen, and these are not 500 feet high, I presume, above the surrounding country. [On my return I saw Agamenticus in York - not very high.]

Sunday 7. Went to hear Sylvester A.M.

Sacrament P.M. in his meeting house. I did not go.

Monday 8.

Rode with Apphia 10 miles to Winthrop; and deviated from the road about 3 miles this side of Winthrop & went south, then west, & then N. to Winthrop. In returning, left the common road, went north about three miles to a part of Readfield, then easterly to Augusta - came into the village across Winthrop Hill. Several ponds in vicinity of Winthrop - an extensive one about 3 miles E. extending far S. and S.W.

The country is a succession of hills and valleys; the hills for the most part gently sloping, & capable of cultivation to the top. There are some rocky summits, but in general not so. Towards Winthrop the soil is less clayey than this way; there are many large & small stones, round & flat, granite and apparently mica slate - many stone walls, and some rail fences. The timber in the woods for some miles this side of Winthrop, is mostly beech and hard maple, with some birch & evergreens. Brakes or Ferns grow in many fields - large spots are covered with them. Indeed, extensive tracts here resemble lands in Norwich, Chesterfield, &c. in Massachusetts, as they were in their newer state, but are less rough and broken.

Augusta has a stronger, & probably a better soil than Winthrop.

July 1850

Monday 8. At Augusta.

Road to Winthrop — continued.

Grass is the great crop here as elsewhere. Most sowings are chiefly *herdsglass* & clover, with some mixture of other grasses, and of *Oxeye daisy* and tall *crowfoot*. In wet places are the *water pears*, viz. *aquatica*, *nervata*, *serotina* and *canadensis*; and *Carex*, *scirpus*, & *juncus* grasses and rushes.

Poa nervata. I find this grass quite thick, and somewhat extensively spread in some moist fields. — more of this than of all the other wet pears.

Calamagrostis. If my eye did not deceive me, I saw this species of grass in some places.

Zanthoxia comes in wherever land is poor or exhausted; and some is mixed with other grasses and daisies on pretty good land.

Fleabanes, are much more plenty towards Winthrop than about Augusta — some sowings considerably whitened with them, where there is very little *Oxeye*. Almost all is *Erigeron strigosus* with leaves entire; but I saw a little with broader leaves, and a few teeth.

Yarrow is abundant. *Oxeye daisy*, *Fleabane* and *yarrow* all help to make lands white, but *Oxeye* is more plenty in Augusta than Winthrop.

Triticum repens is scattered along in various places from Augusta to Winthrop.

Redtop is more plenty towards Winthrop than in Augusta. Two sorts are seen everywhere; one has its panicles spread & is often found in blossom — is generally shorter than the other. The taller sort shows dark purple panicles, not yet spread, & many not fully out. Some of this is no taller than the other.

CORN on this route is from 9 to 20 inches high. Some hills may be two feet. Quite as forward towards Winthrop as in Augusta. Beans among it generally. — Potatoes look well. Some Oats. Very little rye. No wheat noticed.

Haying. Some was cut last week but not much. Many on this road began to mow to-day. I observe old hay going to market.

Common Elder is in blossom on this road — and has been apparently 2 days, or more.

Panicked or red seed Elder is full of red berries, and is quite showy.

John's Wort, is in blossom on this road. I have seen none in blossom before in Maine.

Mullein is in blossom on this road & elsewhere.

July 1850

Monday 8.

Road to Winthrop — continued.

Canada Thistle, I see by side of all roads,
+ it must be in fields. I saw more in blossom
towards Winthrop than elsewhere, but not
much.

Blue Vervain is in blossom on Rail Road in Winthrop

Meadow Sweet is in blossom, near Rail Road in W

Meadow Rue is in " " " " "

Loosestrife, flowers in cylinder, " " " " "

Pond Lilies, yellow, are seen in various places,
on both sides of the river.

Self Heal is abundant every where.

Cinnamon Roses are in many places by
Road sides. Seem natural here. Flowers fading.

Wild Roses are in flower by side of road.

Garden flowers, at Augusta

Roses of many kinds; Canterbury Bells,

Phlox: Pinks; Scarlet Lychnis,

Sweet William; Columbine,

Foxglove; Monkshood; Siberian Spiraea

Valerian; Sage; Fragrant Honeyuckle

Then and other garden flowers are in blossom
and I judge that they are, for the most part, 7 or 8 days
later than the same near Connecticut river.

White Lilies

Spiraea lobata

Spiraea ulmaria

Holly hocks

} None of these are in blossom yet
at Augusta.

Milkweed (Asclepias) is in blossom on the
Winthrop road. Has been out a day or two perhaps.

Syringas have lost their flowers. A few remain
on some trees.

High Mallows or perhaps musk Mallows. Flowers
are plenty — not full.

Snow Berry — is full of buds and flowers.

Serpens, Spiderwort, lilies orange with several on a
stalk, feverfew, &c are in blossom.

Trees.

Butternuts. I see a few near houses. I have
seen none elsewhere.

Wild Cherry Trees are seen by side of road, &c.

Balm of Gilead Trees are seen near Houses.

Red cedar & I have not seen these growing
Arbor vitae in the forests or fields. But I see
logs, posts, rails, &c of the arbor vitae, and
trees near houses.

Black Birch. I have not seen any. Yellow
and two kinds of white are here.

White Oak } Sylvester thinks there are but two
Red Oak } species here. I have found but two.

July 1850

Tuesday 9.

Went with Sylvester to State House, A.M. Went up to the cupola to see the prospect. Remained in the library until noon.

Rode with Apphia P.M. down to Pittston opposite Gardiner. Fields of grass with white and yellow flowers, and on each side of the road, most of the way, and on the road farther east by which we returned, Slout hardgrass and clover in many places, mingled with *Triticum*, English, reed top, *festuca*, &c. In low, wet places the four water reeds, bullrushes, &c.

Haying. Many are haying the present week on both sides of the river.

Corn & potatoes as elsewhere.

Evergreens.

Thuja occidentalis } This tree, called red cedar
or *Arbor vitae* } here, I saw in the forest to day
for the first time. In coming from

Pittston, I saw by the side of the road 6 or 8 trees perhaps 35 or 40 feet high or more. They resemble the real red cedar, and have light colored bark but do not taper so fast. Many small ones are growing near the larger ones. The land is swampy. I see to go in the village, that must have come from large trees, 60 feet high, I should judge.

Fir Tree & Spruce Tree } These two trees are seen in most
evergreen woods, and on the borders
of woods, where the timber has been
cut off. Their shape is regular & pyramidal,
especially the fir, and thousands of beautiful
trees are seen, from a few feet to 30 or 40 feet in
height.

Red pine or Norway pine is here, but I have not observed it. Sylvester has one or two about his house.

White Pine is common, but no large trees except a few deformed ones. These were all cut down long ago for boards and timber, and large stumps are seen in every direction in the cleared land and woods, and in fences. Many farms, however, have been cleared so long that the stumps have disappeared, or never existed, especially on the west side of the river.

Hemlock is in all evergreen woods.

Hackmatack (not evergreen) is in some swamps.

Shade Trees in the village & by farmhouses.
Elm, sugar & red maple, oak, common Locust,
a few clammy locust, Lombardy poplars and Willows
set out in former days, ash, Balm of Gilead, some
Horse Chestnuts, some Evergreens & Hackmatacks,
some white birches, ovate leaf, butternut rare,
mountain ash,

July 1850.

Wednesday 10.

Comparison of Vegetation. I think that vegetation on the Kennebec does not average more than a week later than at Northampton, this year— or from 5 to 10 days later. I left home 8 days ago. Some plants are more forward than they then were in Northampton, and some are less forward— more of the former I think. Many are about the same.

Ride to China.

I rode with son J. H. Williams out on the Thomaston road to the southern part of Windsor, 6 miles or more; then turned northeasterly through Windsor, and perhaps a part of some other town, to the southern part of China; thence went northeasterly many miles, through a pleasant country, on the east side of a long pond, and round the north end of the pond to China North Village. We were then 18 to 20 miles N.E. of Augusta, and about 8 miles east of the Kennebeck. From North China, came some distance on the west side of the pond, and passed by the end of the western part of it, & crossed the outlet, in East Vassalborough, and continued over a fertile, handsome hill, called Grosses hill in East Vassalborough, and came to the Belfast road about $\frac{1}{2}$ mile west of Togus pond, at Sawyer's tavern, four miles from Augusta; thence home. Rode today about 45 miles.

Much of the land which I saw today, near and far off, was fine sloping land, with good crops of grass. This was especially so in a part of Windsor, in China for many miles, and in East Vassalboro'. Fine farms, great barns, and decent houses.

In a part of Hallowell and Windsor on the Thomaston road; the region about Togus pond in Windsor & Augusta, and north of Togus pond, and in some other places seen or passed through, the land was swampy and poor, or rocky and poor; it resembled rough, stony land in Hampshire county. The large trees were nearly all gone, and small trees and shrubs covered much of the wet stoney surface, and inhabitants were few or none.

On the good and tolerably good lands there was the same succession of fields of lucid-grass and clover, which I have found elsewhere, with a mixture of other grasses, oxeye daisy, crow-foot, fleabane, &c.

Haying has begun in all this region, and many are getting in hay. I saw several horse-rakes.

Indian Corn is good—some more than two feet high, and some not over one foot. Many are hoeing. Potatoes look well. A few in blossom.

July 1850

Wednesday 10

Ride to Chimney, continued.

Beans, here as elsewhere, are planted among corn, sometimes in the hills with the corn, or side of them, and sometimes halfway between the corn-hills. Some pieces of corn of several acres, though in general pieces of corn were not large.

Corn houses are not uncommon.

Long barns are not uncommon, and some farms had two barns.

Many houses, barns and small buildings are shingled on the sides and ends, or on a part of them. Some new buildings have shingles on the sides.

Necessaries or privies are seen near most houses, but some are destitute of this convenience.

Bee shelters and Bees are not uncommon. Bees find white clover in abundance.

Fences. These are of stone, of poles, of logs, of boards with posts or stakes & withes, of stumps with the roots turned up, of split cedar rails and of round cedar rails. The stones were generally roundish granite, but in several places, they were flat or flattish, like mica slate. I saw far more cedar rails and poles on this route than elsewhere, especially in China. Some logs, many poles, and many split rails laid straight along, except the ends when side by side, and some laid in a regular Virginia zigzag fence. These of red cedar, so called, that is, of arbovitae or *Thuja occidentalis*.

The log and pole fences are made of hemlock, ash, red cedar, pine, spruce, &c. Some fences are of logs & poles; others of stones & poles or rails, or stones & boards; some are repaired by laying on the top, small trees & brush with the limbs. Some are made of large stones, some of small ones, - generally laid up without much care.

Stumps in all recently cleared lands show that much of the ancient forest was composed of large pines. Hardly one remains large enough to saw, where I went.

Forests that now remain are not extensive and most of them are composed of trees of a second growth. Some ~~woods~~ are covered with brush.

Sheep are kept in some pastures, by putting poles on the tops of stone walls, &c.

Geese. I saw several flocks today, and some goslings. They are generally yoked.

Cows & other creatures are in the highways.

Hogs. I saw none in the highways.

July 1850

Wednesday 10

Ride to China — continued.

Gardens. In general not much care of gardens among the farmers. A few common vegetables are raised. Some farmers pay more attention to these things.

Garden Flowers. Some of these are seen about many houses; and about not a few dwellings no cultivated flower is seen. Flower pots are very rare, except in large villages.

Bedges of rocks in some places are under the road, and show themselves in the adjoining fields, and render several acres unproductive, sometimes rising into eminences. Are generally mostly covered with a thin soil, but show themselves in many spots. Some are of granite, but many are a different rock resembling mica slate. Large boulders of granite are seen here & there. The flat stones are generally colored with iron, and a ferruginous color.

Roads are generally in good order. They cross many vallies and elevations, and there is a great deal of ascent and descent on almost all roads.

The Soil is generally clayey — often a heavy clay, but there are many tracts where the clay is covered to some depth with sand or loam. The roads are sandy or loamy in some places, though the greater part are of a light colored clay.

Green Slopes, very pleasant to look upon, are seen in various directions. No high hills.

Orchards are most of them thrifty, and not very old. Some may be 40 or 50 years old. Many of the trees bear. No other fruit trees are seen among farmers, except a few of the old red cherry trees. English cherry and plum trees, & probably plums, are in the villages, but not common there.

Forest Trees

The ancient forests are gone with few exceptions, but trees of the same species remain — some large enough for sawing. There are logs about the few sawmills which I see, chiefly pine and hemlock, — some of deciduous trees. — Oak, two species, white and red, is much more plenty in Augusta than east and west of it, but is seen in most towns. Is not plenty. Ash is not uncommon. Bass trees are rare. White poplar or aspen is in many places. Balsam of Gilead poplar is near houses. I see none in the forests. Elms are by brooks and some elsewhere. Butternut I have seen in only one place, growing wild, and that was near the river. Common Hornbeam and Hop Hornbeam or Iron wood are seen but are not plenty. Sugar maples are plenty in some towns. Striped maples and spoked maples are seen. Beech trees and two species of white birch, ovate leaf and deltoid leaf, are abundant. Yellow birch is common. Red maples are common in low lands, or in some low lands. A few white maples, and wild cherries.

July 1850

Wednesday 10.

Forest Trees.—continued.

White pine is common; red pine & yellow pine are rare; red cedar or arbor vitae is plenty in some swamps, but in general rare. Fir and spruce are common, generally small. Hackmatacks are plenty in some swamps (not evergreens.) None of the real red cedar or white cedar is found. Hemlock is common.

Low moist lands, that have been cut over but not cleared, have many young firs, spruces and hemlocks; and some are almost covered with white birches, both species, but chiefly deltoid. White pine is not so common.

The Ancient Forests, I judge, were chiefly as follows—White pine on high & low land, Hemlock, Spruce and fir on low lands; Beech, maple, white and yellow birch, ash and oak, on the higher lands, and more or less mingled with the evergreens. Or in fewer words; the principal forest trees were white pine and hemlock;—beech, birch and maple.

Grasses.

Of ancient grasses, natives of the soil, I find little or nothing except those that grow in wet places, of the *Carex* and *Juncus* genus, waterpoas, &c. of cultivated grasses—

Heads grass is the most common—is on every farm; in every mowing, Heads are becoming bluish with anthers. This is sometimes alone, but generally with clover, both red and white.

Red clover. The larger species is sometimes alone, but commonly clover is with heads grass. I suppose that nothing is sown here but heads grass & red clover.

White clover is in almost all mowings and pastures, and sometimes quite thick—very abundant. It comes in of itself.

Red top, low and taller, as in Massachusetts comes in itself. Not yet very plenty, but increasing.

English or *Poa pratensis*, not yet plenty, but seems to be increasing. Panicle now brown.

Vernal Grass (*Anthoxanthum*) is more rare than either of the two preceding, but is here.

Tall Fescue is more plenty than the last.

Triticum repens is abundant in some fields and is increasing.

Water Poas, 4 species, are in most wet places; but two species, *P. aquatica* & *P. nervata* are very conspicuous in swales & wet places in mowings—easily distinguished by their purple panicle, at a distance. The *P. nervata* is more spread than the other; grows on land drier than the other, but is not so tall and stout.

The Common bullrush is very abundant in swamps and wet places. There are other rushes, clods, and sedges.

Poa compressa & *Poa annua* are here, & some others.

Clanthia is gradually taking possession of thin worn out soils, in rocky summits, and in many other places.

July. 1850

Wednesday 10.

Oxeye Daisy & I did not get beyond these.
Buttercups } white & yellow flowers in mow-
ings and pastures. The former are not so plenty as
near the river. Some fields of hardgrass & clover
are almost free from these flowers. Those recently
seeded down, I suppose.

Heabane (*Erigeron integerifolium*) is in
many mowings where the other flowers are not
seen much. Some Yarrow. Some Heabanes have
a rather broad leaf, perhaps lanceolate-ovate, but leaves
are nearly entire.

Mayweed is seen by the road.

Burdock is seen by the road - not common.

Chickweed is " " " " " not "

Dock of two or three kinds is here.

Elecampane, or a tall plant with
large, long leaves is plenty by the sides of
the road in some towns. Not in flower yet.

Golden Rod plants are plenty - not in flower yet.

Shrubs.

Sumac are seen - not abundant.

Viburnum, maple leaf, is in the woods.

do. Lentago apparently, is by roads, with berries.

do. hobble bush, is in woods. No flowers now.

Oagwoods. I see none.

Witch Hazel is here, and Alder.

Whortleberry bushes are not plenty. I see but few.

Tall blackberry, Raspberry bushes are here.

Black berry Elder & red berried Elder.

Low Laurel. No high Laurel.

Red wild Lilies in blossom in Joseph H. Williams
House lot, July 10 or 11.

Autumnal Hawkweed. Flowers plenty by roads & in thin grass.

Thursday 11.

Heard of President Taylor's death to day. He
died on Tuesday night.

Occupied with Burton's Anatomy of Melancholly.

Friday 12.

Occupied with Jackson's Geology of Maine.

Arethusa came at 7 P.M. from New York.

Saturday 13.

Occupied with Jackson's Geology.

White Lilies begin to blossom - I perhaps a day or two since.
Day Lilies (*Hemerocallis flava*) begin to blossom.

Tall red pinks are in blossom.

Sumac *lilurena* begin to blossom.

Pines Pine } in the woods, are in blossom.

Pyrolas

Wild Raspberries are offered for sale. 10 cts qt. - next 8.

July 1850

Sunday 14. Heard Sylvester Am. & P.M.

Monday 15.

On History of East Bedford & other matters.

Tuesday 16.

In State House Library Am. & Sylvester's Library.

Took Vol. I. & II. of Pictorial History of England from State Library.

Wednesday 17 }
Thursday 18 } most of time on Pictorial History
Friday 19 } of England - a more impartial
Saturday 20 } History than we usually find.

Sunday 21. At Orthodox Church Am.
Did not go P.M. Same.

Monday 22. On History of England. Same

Tuesday 23.

Wrote to State House } Took Vol. III. of Pictorial History
with Sylvester }

Flowers (not observed for some days).

Hollyhocks are becoming plenty. Began last week.

Spiraea lobata. - ~~has~~ pink blossoms. - out a day or two

Spiraea ulmaria.	Canterbury bells, Spiderwort	} These are Common Some are waning
Bruskmallows,	High Ponies, Lychnis	
Larkspurs,	Monkshood	
Sweet Peas,	Candytuft	
Orange Lilies,	Day Lilies (flava)	
White Lilies,	Flowerfew	

Wild Flowers.

Oxeye Daisy. } Flowers are waning - some are brownish.
many are white yet.

John Wort. Flowers plenty.

Red Lilies. Flowers plenty

Buttercups. Waning. Some flowers remain.

Dogbane (Apocynum) Flowers continue.

Autumnal Hawkweed. do do.

Narrow & Fleabane. do do.

Golden Rod. Some plants are in flower. Most not.

Blue Whortleberries - sold here to day.

Indian Corn. Forward pieces show panicles. Others not.

My only visits at Augusta, to take tea, were at
Mr Caldwell's, Mr Fuller's, and Judge Westons.
Should have gone to other places had I not been lame.

July 1850 at Augusta

Wednesday 24
Thursday 25
Friday 26
Saturday 27
Sunday 28
Monday 29
Tuesday 30
Wednesday 31

I was lame from the 26th; one foot sore & much swelled. Could not go from the house. Read & wrote - Pictorial History of England chiefly. Joseph & Apphia went to Boothbay on the first of August. Came home Aug. 8.

August 1850

Thursday 1.
Friday 2
Saturday 3
Sunday 4.
Monday 5
Tuesday 6
Wednesday 7
Thursday 8.
Friday 9
Saturday 10.
Sunday 11.
Monday 12.

Foot worse latter part of the week. Had a physician, Dr. Ellis, on Monday. He merely prescribed a wash or application of cold water and sugary lead.

The sugar of lead seems to have had a good effect in bringing down the swelling and soreness. We had applied cold water before.

Have been growing better.

Hopini came from New York 6th. Arthur came about middle of July. I walked down to Septuaginta on 9th & 10th.

Started from Augusta at 5 A.M. for home

Flowers, &c. when I left, I have not been able to get about & see things.

Wild Flowers & Garden ones.

See Mayweed, Autumnal Hawkweed, Golden rod, Digging Bower, Common Thistle, Engeword, P.S. Steeple bush.

See Coreopsis, Tiger Lily, Phlox, Flowering Hollyhock, Sweet peas, Candytuft, morning glory, Snappers.

They have green corn & new potatoes here - not plenty. I found similar flowers on my return in Maine & New Hampshire, that I had left at Augusta. Vegetation is very where fresh & green. There has been plenty of rain. A few red leaves are noticed on maples - very few, and a few yellow ones on alldoid birch, in some places.

The country west of Portland for many miles seems to be poor, but few habitations here. It is pretty level, some wet, & some dry. It is better farther west, but still lean, until you come to Berwick. All the Berwick is most & excellent are pretty good land.

August 1850.

Monday 12.

I and wife, Sylvester & Jane, started from Augusta at 5 A.M. Went down the river to Bath, and then took the rail road. I and wife stopped at Reading about half past 3 P.M. and put up with Parkman at Mr. Damon's. Sylvester & Jane kept on to Boston, & were to go to New Haven on Tuesday.

Tuesday 13.

I rode to Boston in the cars at 8 A.M. and came back at 5 P.M. Spent the day in the Library of the Mass. Historical Society.

Wednesday 14

At Reading. P.M. Parkman carried us to South Reading, and home around by the east side of the Pond.

Every thing is green & fresh about the Readings. There has been no drought to dry up grass & plants. Many apples on the trees. Corn is here larger than in Maine, but not great deal is planted.

The common showy flowers of the gardens & dooryards are here, as elsewhere, - tiger lilies, and phlox. Add to these some coreopsis, holly hocks, &c.

Wild flowers are, autumnal hawkweed, meadow sweet, steeple bush, yellow mayweed, clethra, thistles, golden rod, jewel weed, & others.

The salt marshes between Reading & Boston are some mowed, some not. I noticed north of this some of the wet meadows, fresh, mowed & some not.

Pigweed. I saw some at Augusta, but little or none in eastern part of Massachusetts.

Ragweed or wild wormwood, I found among the weeds at Augusta & in eastern part of Mass.

Thursday 15

Started from Reading about 6 $\frac{1}{4}$ A.M. Reached home at 3 P.M. Have been absent 6 weeks and 2 $\frac{1}{2}$ days.

Every thing is fresh and green all the way - trees, shrubs, herbs, grass, &c. There has been a great deal of rain in Massachusetts, since I went to Maine. Crops have grown well, but seem not to have advanced to maturity so fast as common.

In Maine there was a vivid green every where, but I was not conscious that more rain had fallen than usual.

August 1850
Thursday, 15

Indian Corn in Massachusetts. From near Boston to near Connecticut-river, most of the corn is small; not longer than that in Maine perhaps; partly owing to the lean soil, which is much inferior to that of Maine. It may be more forward than in Maine - not much I think.

Potatoes are every where green.

Haying is generally done on good home lots and other uplands that are dry. On low lands that are swampy or quite wet, and not manured, by streams, &c. haying is now going on - somewhat retarded by the rains; perhaps half is done. On the Chickopee river, from Spencer to Wilbraham, the meadows are partially mowed, perhaps half. The extensive meadows in Brookfield, some of which are low and swampy, are not half cut, I think. Some have only sedge & herbs that are not grass. I judge that these Brookfield intervals are mowed usually in August - between Aug. 1. & Sept. 1.

Oats. I saw some harvested; some not.

Buckwheat in Mass. get. H. - is in blossom.

Storms Here in my Absence.

Night of Friday July 14. Thunder & lightning terrific for two hours, & much wind & rain.

Great Rain storm, July 19, with high wind, much damage done by wind. The Connecticut rose till July 21. & overflowed the lower meadows; injured potatoes & grass, & swept off some mown grass.

Great Shower of about an hour, near 6 o'clock P.M. on the 31st day of August. It poured down and filled the village. The small brooks in the village could not get into ^{the} culvert or channel made for them near Rail road depot, nor under bridges farther back in the village, but overflowed the adjoining lands, running into cellars, covering gardens, &c. Mill river was very high.

Heavy rain on the evening of Tuesday, Aug. 13. did some damage.

August 1850

Money Matters

Receipts

Money on hand July 2 ^d (see unduly)	\$46.98
Expended on Elaine's visit	29.02
Aug 15. On hand after returned	17.96
17 Recd of son of L. Walker (sent to Elaine)	10.00
19 Recd Remains of L. Storrs Note, Ohio, of O. Baker Esq.	109.00
(75 B. Aug 1847, 112 July 1848, 109 now - all 296)	
Sept 13 For genealogy of Judge Dewey	1.00
	<u>137.96</u>

Expenditures.

Expended on visit to Elaine from July 2 ^d	29.02
to Aug 15 (see unduly)	17.96
Balance to new account	<u>46.98</u>

Aug 15. Godfish 19 ^c . Butter 33 ^c . Cheese 18. bread 9 ^c .	0.79
Tribune, 6. Postage 8 ^c . Bread 6 ^c . do 18 ^c	0.38
16 Paid for work in garden with sicks, 62 ^c	0.62
17 Postage 15 ^c . 3 ^c . Wife 25 ^c . Whortleberries 12	0.55
20. Coffee 8 ^c . Potatoes 9 ^c . Postage 20 ^c . Tribune 3.	0.40
Paid Osmyn Baker Esq. for trouble in getting money of L. Storrs. Parisville, Ohio	3.00
Paid do for advice about Hall's affair, last winter	1.50.
22 26 lb flour 1.00. Cheese 19 ^c . Postage 20 ^c . Whortles 11 ^c	1.50.
23 Postage 5. Washing fluid 10 ^c . Butter 30. Work 12.	0.57.
24 Tribune 3. Postage 18. + 13 ^c . 5 ^c . 5. 6. 3. 10 ^c . Whortles 6 ^c . 5.	0.74
29 Apples 6 ^c . 8 ^c . Cheese 15. Contribution 25	0.54
	<u>10.09</u>

Sept 3. Tribune 6 ^c . Postage 5 ^c . Broom 17 ^c . Whortles 5.	0.33
4 Wife stage to & from Bensonville 30. Wife 10	0.40
6 Dr. Smith's bill for Peninsular's teeth in May.	4.50.
Whortles 5 ^c . Cheese 18 ^c . Postage 4 + 4.	0.31
9 Horse & carriage to ride with Mrs. H. & Mr. H. to the fair	2.50
9 Paid Col Shepard for a hat bought in June	2.50
10 Mr Kingsley for 2 pairs of pantaloons, May & June	8.42
	<u>27.06</u>

11. Postage on package to Mr. Felt 30. other postage 25	0.55
11 Buckwheat flour 25 ^c . Paper 30. Tribune &c 7	0.62
12. Paid for L. Dr. butter (let Dr. Walker have it)	0.40
13 Tribune 3. Bread 6. Crackers 10 ^c .	0.19
14. Postage 3. Washing fluid 10. binding book 25 ^c	0.38.
14 Sharpening Razors 10 ^c	10

Let S. C. Parsons have my Ohio money to get changed in New York Sept. 10th. \$109 } 70.00.
He paid me in our money. 39 } 38.66

Sept. 16. Money on hand	<u>137.96</u>
16 Left of this 38.66. { 50 cts. + 10 cts for postage out	
38.06 carried.	

August 1850

Thermometer

sunrise, 10 P.M. 9 P.M.

Friday 16.	56.	78.	56.	1/2 cloudy, 1/2 fair.
17 -	48.	78.	58.	Mostly fair.
Sunday 18.	46.	70.	56.	Fair & pleasant.
19.	47.	74.	63.	Fair & pleasant. S.E. &c.
20.	59.	81.	62.	Cloudy. N.E. S.E.
21	54.	78.	62.	Fair & pleasant. N.E.
22.	57.	76.	62.	Fair & pleasant N.W.
23.	54.	82.	67.	Mostly Fair W. &c.
24	60.	87.	70.	Fair A.M. Hazy P.M. Southerly.
Sunday 25.	65.	66.	66.	Hard rain most of day, N.E.
26.	64.	80.	62.	Fair A.M. Shower at 1 3/4. N.W. &c.
27.	60.	76.	58.	Fair N.W.
28.	45.	70.	58.	Fair. Southerly
29.	50.	78.	64.	Fair. Fog in morning.
30.	56.	83.	63.	Fair with some haze
31.	61.	78.	67.	Fair with some haze.
876. 1233 994				

Temperature for 16 days.

At sunrise	54 ¹² / ₇₆	} Average 64 ³¹ / ₄₈ .
At 1 P.M.	77 ¹⁸ / ₇₆	
At 9 P.M.	62 ⁷ / ₇₆	

August has not been unpleasant. Not so much very warm weather, in the last half. More cool than usual. The earth saturated with water. Every thing green, almost. Some foggy mornings the last week.

Letters written after my return. [Cont. from under Aug. 31.]

- Aug. 16. To children at August 16.
- 17 To J. Wingate Thornton, Esq. Boston
- 17 To James Parker Esq. Harlem. N.Y. in reply.
- 19 To Hon James Savage. Lunenburg Mass.
- 19 To Hon John Wentworth, Washington City. in reply
- 19 To A. McAffee Williams, College in reply.
- 20 To Lewis Fidd. Woodbury. Conn.
- 20 To Thomas M. Gardner, City of New York.
- 21 To Milton Fidd. Esq. Monterey, Mass.
- 21 To Edward J. Fidd. Romulus. N.Y.
- 21 To Silas Fidd. Esq. Perryville, Madison Co. N.Y.
- 22 To Seymour L. Fidd. Widdow. Broome Co. N.Y.
- 22 To Lewis D. Fidd. Bridgeport. Conn.
22. To Hon Wm. H. Burrall. South Canaan, Conn.
23. To John F. Fidd. Hartford.
23. To Horace Fidd. Avon. Conn.
- 24 To P. M. Troy. Oakland Co. Michigan for Dr. Elmer Fidd & Sons
- 24 To Hon John Wentworth, Washington.
- 26 To Edwin J. Hoar Esq. Hartford.

[Cont. under Aug. 31.]

August 1850

Friday 16.

Walked out to Bensonville to see Frances and the children, P.M.

Cultivated Flowers — not plenty.

Tiger Lily } These flowers are now more
Pae phlox } conspicuous than any other
around farm houses and in villages
all the way from the Kennebec to the Co. N.
sufficient, in Maine, New Hampshire and
Massachusetts. They are more common and
more showy than any other kinds.
I find them so in Northern towns.

Coronopsis } are next to those just noticed as to
Hollyhocks } frequency. The latter have fallen con-
siderably, & are much diminished.

Larkspurs, Flowering Purslane, Lady of the Lake, } ^{Some of} These
Poppies, Chrysanthemums, allallows } ^{are not}
Marigolds, Scarlet Lycenids, Sunflowers } ^{plenty.}
Snappears, Dahlias a few, Sweet peas } ^{some}
Glossia, Moon sleepers, Zinnias } ^{are abundant.}
^{Low phlox} Red pinks. ^{Cypripedium} ^{Yellowing Bride.}

All of these put together are not so many, nor so
showy as the Tiger Lily & Phlox — indeed they make
no show, in general. Many are on the wane
and are almost done.

Syrian Hibiscus, called Attica, is now
one of finest flowers in Northampton. These
bushes make a good appearance. They
are not very plenty.

Snowberry. These bushes have large white berries & flowers.

Field Flowers. Most are on the wane.

Yarrow, Mayweed, Arrowleaf, Jewel weed
Sea-Isle, Thistles, Thoroughwort, White & purple
Birch, Dogbane, Willow herb, small flowers
Rattlebush, Kalmia, allallow sweet,
Burdock, Late Fleabane, Tall climbing bedstraw
Tall allulgeclium, Golden rods.
Virgin's Bower, all the way from Maine, here.
Polygonum, as Heartcase, Arsmant, &c.
Primulae.

Some of these have long been in flower — were so
before I went to Maine. Others began later.

Pokeberry or Garget, has large green berries
and flowers.

I have not the means of comparing this
season with the last. I think, however, that
crops are later than last year. It appears to me
that the difference between this place and
Maine is only about a week, as it was 6 weeks
ago.

Marshmallow is in blossom — blossom like that
of the (Attica) Hibiscus syriacus.

Japan Lily. Mr. Shepards first opened Aug. 10, later than usual.
Trumpet Honeysuckle still blossoms.

August 1850

Saturday 17.

Crops in the Meadow (North).

Indian Corn. Considerable of it is advanced enough for roast ears. Perhaps a little may be too hard for roast ears; but the greater part is not yet forward enough for roasting or boiling. Everything is green about corn except the silk & panicle.

Potatoes are green, & seem not diseased.

Pumpkins show more vines than fruit.

1. Broom corn. Is in various states of forwardness. The best pieces that I saw had all or nearly all the panicles wholly or partly in sight. About one fourth are out of the sheath, or above the top leaf; and three fourths show ~~from~~ from a small part to one half or five eighths, or three fourths of the panicle.
2. Next appear parcels of broom corn that show few or no whole panicles; and but $\frac{1}{4}$, or $\frac{1}{2}$, or $\frac{3}{4}$ of the stalks show any part of the panicle.
3. Still another sort are later than the last, and show no panicles at all; or if any, only a few tip-ends.

The two last classes embrace over $\frac{2}{3}$ of the whole; the second class comprehends more than either of the others, & I think, more than both. The most forward panicles are in blossom.

Oats. But few were sown, and I am told that they were light. But recently harvested - it is said that some are not gathered.

Haying in Old Rainbow Gilliddle Meadow continued into August, as I am informed.

Weeds are plenty in the meadows & elsewhere owing to the abundance of rain. Those which I noticed among corn were Pigweed (*Chenopodium*) Ragweed, or wild wormwood (*Ambrosia*), Common Amaranth, two species of *Panicum* called barn grass (*P. crus-galli* and *Panicum* or *Setaria viridis*) and the *Panicum capillare* or tickle grass; convolvulus, purslane, Shepherd's purse, one or two species of *Carex*, & one or two species of *Polygonum*, as heartcase, &c.

Other Things.

Apples. A few are ripe. They are not plenty.

Peaches, are brought from New York.

Chortleberries continue to be offered. Gettys.

Corn & beans are somewhat plenty, though in some gardens & mine among the rest, they are not large enough for eating, or but few ears & pods are ready for gathering.

Potatoes are not plenty. They ask about 4¢ a bushel.

Fall Hackberries are offered, Aug. 20. Dewberries are gone.

Watermelons for sale, about Aug. 25.

August 1850

Saturday 17.

Crickets are quite sonorous - make their regular autumnal noise, are heard by day, but more distinct at night.

Grasshoppers are in the meadow & elsewhere but not very plenty. The noise which I attribute to them is distinctly heard, accompanying that of the crickets.

Katadidls are heard in Pleasant Street, and doubtless elsewhere. I know not when they began to shrill. P.S. Began in South St. about the 8th or 9th of Aug. Very plenty there.

Flies are not so numerous as in some seasons. Locust noise is heard in warm days.

Birds. Very few are seen or heard in open land. I have not been in the woods. Swallows are not gone, but seem to be quiet.

Wheat Harvest. I have not been able to get exact dates as to the time of harvest in different states. It began in the S. and S.W. states the latter half of June. Further N. it commenced early in July. In the State of New York about the middle of July. They were harvesting in Livingston County August 3d. The harvest was said to be finished in Michigan before Aug. 1. I was told that wheat was not cut in Maine when I came away, Aug. 12. I believe the harvest has been later than usual in most of the states.

Vegetation, or crops are later than usual, in the opinion of those with whom I converse.

Grass. It has been a fine season for grass, both in mowings & pastures, and Rowen promises well. Rowen. Very little has been mowed as yet, even in home lots. None elsewhere.

Brother Samuel Hall & Sister Smith here at tea.

Sunday 18. Rev. Baxter Dickinson preached.

Monday 19

Tuesday 20. Frances & children in P.M.

Wednesday 21.

Thursday 22.

Friday 23

Saturday 24.

I was at Mr. Starkweather's with others, Friday evening and Rev. Dr. Eliakim Phelps of Stratford was there, and related the wonderful occurrences that took place at his house almost every day for months - whether natural or supernatural, we do not know.

August 1850

Saturday 24.

The "Knockings" as they are called, are attracting a good deal of attention, though a large portion of the people ridicule them and call them all humbug, without the least examination, or with a very superficial investigation. That strange, marvellous things are done, beyond any natural power known to us, is certainly true; and yet they are so silly & foolish, or have so little point & value, that they seem to be entirely unworthy of the spirits of deceased persons, or even of devils. Many believe them the work of good spirits; others think they are caused by evil spirits or devils. A large portion think they are the result of knavery & imposture. That trickery & fraud are mingled with other causes of these singular manifestations is very likely; yet I am constrained to believe that a great many of these mysterious sights & sounds are not caused by any human agency known to us. Yet I am very slow to admit that they are the work of disembodied spirits. I wait for further light and evidence. There is no doubt about the honesty and ingenuousness of Rev. E. Phelps and his family. There is not the least room for suspicion that any of the family had any instrumentality in these noises, tossings, throwings, tumblings, leaping, breakings, tearings, knockings & other mysterious things, which were more remarkable at his house than at any where else, and were for a long time excessively annoying, disturbing their peace & comfort by night and by day. Rev. John Mitchell formerly of this town, was often at Mr. Phelps' and spent much time there, and I have a letter from him which agrees with & corroborates the statements of Mr. Phelps, fully. Yet Mr. Mitchell is not a credulous man, but discriminating and cautious, & much inclined to reject all new notions & to adhere steadfastly to the "old ways".

There is a considerable number like myself, who believe that strange and wonderful things have been done at Stratford, and elsewhere, without any apparent human agency, and who are not yet ready to believe that spirits, good or bad are concerned in them. We do not know, and remain in suspense.

A. J. Davis continues to have intercourse with the spiritual world, if we are to credit him, and to publish his revelations, and many believe him. Publications on the subject of spirits, knockings, &c. are becoming frequent. I think there is more or less imposture & delusion connected with these exhibitions in some places. It is said that knockings are now going on in 150 places in the U. S.

August 1850

Saturday 24 continued.

Brother Matthews & family came from Virginia early in July & have established themselves in Easthampton. He & Irene were here to-day.

Since I came from Augusta, I have been employed chiefly on the fidds, trying to collect more names, & to arrange what I have.

Sunday 25.

It rained hard most of the day, I did not go to meeting.

Monday 26.

Tuesday 27.

Wednesday 28.

Thursday 29.

At Chauncy Clarks in evening

Katadids very noisy in South street, on elms and maples, & some on fruit trees near the street. Not one below the hill, or this side of Ruth C. Clarks. Not one in King street.

Friday 30

Whortleberries continue plenty at 5 cents a quart. A great crop of them. From Pelham, &c.

Saturday 31.

Professor Webster was executed at Boston yesterday. Surely, without doubt. This horrid case has interested all, & been almost a daily topic of conversation for many months.

Letters Written [Cont. from under Aug. 16.]

August 26. To son J. W. Fidd. New York.

26 To ~~the~~ Rev. Orrin B. Fidd.

26 To Gen. C. F. Sedgwick, Sharon, Conn.

27 To Nathaniel Godwin Esq. Hartford in reply.

28 To Reuben Fidd, Bridgeport Conn.

28 To David E. Bangs, Pittsfield.

Sept 3. To Children in Augusta

3 To Rev. Jos. B. Felt, Boston, in reply.

3 To Hon. James Savage.

10 To Philip Fidd Esq. Kent.

11 To J. W. Fidd. Southampton

11 To son J. W. Fidd. N.Y.

11 Put in Office a packet directed to Rev. Joseph

B. Felt Boston, containing Stoddards Journal in Canada

1714; letter from Rev. Samuel Hopkins to my grandfather

1798, and a copy of it; my letter to Mr. Felt dated Aug. 29.

and some Hopkins genealogy.

Sept. 11. Letter to Horace H. Fidd. Exeter, Conn

11 Letter to Rev. Charles Wiley D.D. Utica, enclosing one to Col. Fidd

11 Letter to Postmaster Southington, Conn. for Fidds.

12 Letter to J. W. Thornton, Esq. Boston.

14 Letter to Counsel Phelps Jr. Esq. Springfield [Cont. under Oct. 20]

31st. August 1850 + 1st September 1850.

Flowers, crops, &c.

walked into South Meadow, Aug. 31. P.M.

Indian Corn. The best pieces in this meadow have most of the ears forward enough for roast ears, and a considerable number too hard. Pieces No 2, have half the ears ready for roasting or boiling, & perhaps more, some too far advanced and many not yet ready or advanced enough for eating. There is some No. 3, probably which I did not see.

Broomcorn. The best pieces show all or nearly all the panicles, that is, some part of each panicle and about half of the whole number of panicles are out of the sheath, that is, above the upper leaf. These panicles are in blossom. Pieces of No 2, have some panicles not yet visible, and those visible show $\frac{1}{4}$, $\frac{1}{2}$ $\frac{3}{4}$ and the whole of the panicle. Perhaps $\frac{1}{4}$ of the whole number are above the upper leaf, and in blossom. There may be pieces of No 3.

Potatoes are generally green; or having but few dry leaves.

Pumpkins. Vines are very plenty, but few pumpkins, and those green, and most of them small.

This meadow is later than a portion of the north or upper meadow, but is not any later than some of it. It is probably a week later than the higher parts of the upper meadow, or more.

Corn & broom corn seem to be as tall as usual.

Mr. West's corn on his home lot was the first that I saw planted. They are now cutting the stalks of a part of it, a thing seldom done these days. Some of the husks are turning white - not many. The corn is too large for boiling.

Weeds in Corn in South Meadow.

The foxtail *Setaria*, a species of annual grass, is the most plenty. Next to this is the *Panicum capillare*. The *Panicum crus galli* is not so plenty. Ragweed or Wild Wormwood, and Pigweed (*Achillea*) are there, and the *Amaranth*. Also, common sorrel, heartsease, arsmart, purslane, horsetail, some *Carex*, small *Johnswort*, *Convolvulus*, wild Radish. A little carpet weed, 3 seeded Mercury, & clover. The Giant *Ambrosia* is not seen among crops.

Ancistrogou Grasses.

Some growing between rail road & ditch have not been disturbed. The *A. furcatus*, is 4, 5, 6 & some 6 $\frac{1}{2}$ feet high and in blossom. The forks or spikes are three & upwards.

The *A. nutans* is not quite so forward - many heads not fully out. This is 5, 6 & some 6 $\frac{1}{2}$ feet high. In blossom.

The *A. scoparius*, when it has not been mowed, on light land, is from 18 to 30 inches high. Only one spike in a place. It begins to be seedly.

31 August, and 1st September 1850.

Wild Flowers.

Thoroughwort, white & purple, plenty: Everlasting.
Verbena, white a little, more blue: Jewel weed.
S. Gnathera or Tall Scabish has long been in blossom
& still has blossoms. Some 6 feet high on Rail Road.
Pond Lily, a few remain. — Yarrow still has blossoms.
Heartsease & Arsmart & other polygonums. Mayweed.
Wild Sunflower, has plenty of blossoms. Oxeye Daisy, a few.
Wild morning Glory, a few — Clematis, mostly gone.
Meadow Sweet, a few left — Canada Thistle, a few left.
Water Hoarhound, a few left. Other Thistles some.
Mulleadin, has buds, flowers and winged seeds.
Pokeberry or Garget, has buds, flowers, green
berries, & ripe black berries. Birds have eaten some.
Agrimony still blossoms: also Gallium. Wood Sorrel.
Scabane, No 5, mean flowers, it is abundant. No 4, a few.
Star flowers. I see but few where I have been.
Golden Rod blossoms are plenty. — Lobelia inflata.
Wild cucumber has clusters of fruit & blossoms
sus. heal. — White Golden Rod — Hawkweed.
Snakehead — Rattlebox on the plain has flowers & rattles,
Blue curls on the plain. Toad flax — Fireweed
Neottia. Beggar Ticks not in flower yet.
Polygala purpurea.

Garden Flowers.

Japan Lily. These are in full glory. Some withered & more not open.
Cisterns are fresh & new — also Zinnias, &illary golds.
Larkspurs, mallows, portulacaeas, & monkshood, are almost done.
Syrian Hibiscus (Althea) still shows fine flowers, and
a great variety of colors. — Holly hocks, almost done.
Marsh Mallows, has good flowers — Chinese Lily, so called.
Clethrass continue to blossom — Grysanthemums.
Conopsis flowers are still very abundant.
Tall, late phlox, is waning, but still has flowers.
also the low species. Tiger lilies have departed.
Eschscholtzia — Sunflowers. Mourning bride
Goosecombs. — Dahlias — Sweet peas —
White phlox, neat. — Some red pinks —
Snappers continue plenty. Petunias plenty.
Mountain Fringe, or Corydalis or Adlumina, a great climber.
Prince's Feather. Trumpet Honeysuckle continues to blossom.
Bouncing Bet, an outlaw, by the road.
Balm with pale purplish flowers, not red, at the Brights, Fragrant.
It is Monarda fistulosa.
Monarda didyma or red balm, is in flower.

Berries are plenty. Mountain Ash full of red berries.
Alders are full of black, shining berries. Sumac, red.
Dogwood berries, plenty. Birds do, green. Ampelopsis.
High cranberry, red. Celastrus scandens. Hawthorn apples.
Snowberries, large & white. Solomon's Seal. — Other Thorn fruit.
Barberries begin to be reddish.
Grasshoppers, crickets & yellow Butterflies are in the
meadows. No more than usual. Not so many as some years.
Katadids are very noisy in some streets.
Flies in the house are less plenty than usual.
Locust noises are heard — not many.

September 1850.

Thermometer.

Wind

Summ. 10 P.M. 9 P.M.

Sunday 1.	63	88	73	1/2 Fair; some clouds & haze. Southw.
2.	68	83	71	Cloudy. Much rain P.M. Southw. & S.E.
3.	68	71	62	Rainy A.M. 7/8 Cloudy P.M. S.E. & N.E.
4.	54	77	65	Fair Southw.
5.	60	78	68	1/2 Fair S.
6.	65	85	68	1/2 Fair, & more. Southw.
7.	62	73	68	Cloudy & some rain. N.E. & N.W.
Sunday 8.	63	74	61	Fair N.E. & N.W.
9.	52	75	58	Fair mostly. N.W. & N.
10.	55	73	64	Fair mostly. S.
11.	58	74	58	Fair N.W.
12.	54	66	50	Fair N.W. & N.
13.	46	62	50	Fair N.W. & N.
14.	39	70	52	Foggy morn. Day Hazy. N.W. & S.W.
15.	40	66	57	Fair N.E. & N.W.
Sunday 16.	[41]	44	37	mostly cloudy. S.E.
847 1115. 919				

Temperature for 15 days

at sunrise $56\frac{7}{15}$
 at 10 P.M. $74\frac{5}{15}$
 at 9 P.M. $61\frac{4}{15}$

Average $64\frac{1}{15}$

This half of September was very mild - almost the same as the last half of August.

September 1850.

Sunday 1st. Mr. Swift A.M. } At Mr. J. Clark's.
A young man P.M. } in evening.

Monday 2.

Tuesday 3.

Wednesday 4.

Whortleberries are still sold at 5 cents, large & good.
Sweet Potatoes are for sale from South, $3\frac{1}{2}$ cts. lb.
Common Potatoes are still from 50 to 67 cts. There
is some complaint of the disease.

Watermelons are plenty - not raised here.

P.S. Whortleberries were offered Sept. 12.

Wife went out to Bensonville in stage,
and I walked out & back, P.M.

I looked at Hall's house in all its rooms.
How particular & exact was the dear son,
and careful to have every thing convenient!
The dear son! how often I think of him!
I took tea with Frances & the children & others.

Foliage & Flowers.

I saw no change in the red maples.
Sumacs on the plain show some red leaves.
Butternuts here and at B. have some yellow leaves.
In general, all leaves are green.

Blue starflowers are plenty & some white ones.

Golden Rods are plenty - will be more so.

I saw weed. Flowers are yet plenty, by road.

Tall Scabish continues in flower. Some
near the Factory 6 feet high; and one 8 feet high
with many long branches, making a bushy tree.

Other flowers of several species.

Grasses.

Andropogon. The three species are found on
the plain, a little more forward than in the meadow.

Leersia. This grass ^{has} abundance of panicles,
near road by the side of the brook, & elsewhere.

Panicum agrostoides, with a reddish
panicle, with few horizontal branches; leaves erect,
& almost as high as the panicle, is plenty in some
wet places.

The *Poa hirsuta* shows its purple panicles
abundantly on the plain - panicles shoot out obliquely.

Panicum virgatum. A little is seen by the side of the
road, showing panicles.

September, 1850.

Wednesday 4.

Rowen. But few home lots have been mowed the second time. Some are mowing. There is a great burden on many lots.

Only two kinds of grass (including clover) show stems & heads in the second crop. Red clover heads are abundant & becoming dry. Herdsgrass is the only proper grass that shows heads in the home lots, in the aftermath. There may be some panicums or yearly grasses, but these showed no panicles or spikes in the first crop.

Swallows, both barn & chimney, I saw yesterday. They are here yet. Some of the young chimney swallows are not yet ready to take a long flight.

Katadids. In returning from Bensonville, I heard many on the south side of Round Hill, and between the hill & Elm Street. Heard only two in the street viz. one on an elm near Mrs. Solo Stoddard, Jr. and one on a tree near the house of Solo Stoddard, Esq.

Large, green, ugly looking Worms fall from Elms.

Thursday 5.

Friday 6.

Saturday 7.

Harvest in England.

Up to Aug. 23, considerable progress had been made in the harvest in the middle counties; more in the southern, & but little in the northern. Much rain had fallen since harvest began, & some grain was injured.

Potatoes were some diseased in both England and Ireland.

Heavy Rains & floods have occurred in Europe as well as in the U. States.

Sunday 8. Mr Laurie of S. Hadley, A.M. I went to Edwards Church, P.M. with Mrs. Haven & Miss F. M. Caulkins, from New London. Mrs. Haven & Miss Caulkins came to my house after meeting. Miss C. remained overnight.

Monday 9. Rode into meadow with Mrs. H. and Miss C. & upon Round Hill.

Crops in the meadow have advanced since Aug. 31. I saw no mowing in the meadow, unless one person at considerable distance from me, in Old Rainbow, had been mowing. Broome corn generally appears well. One piece of good tobacco. In O. Rainbow Andropogons show heads on some lots, and some do not. Many late mown lots seem not to show spikes and panicles. P.S. I think some were mowing in lower (Torticum) part of the meadow. I did not go far enough to see them.

September 1850.

Tuesday 10

Mrs. Fullauckius left us this morning; with Mrs. Heaven who stayed at Mr. Swifts.

Sister Nell and Almira (Dewey) here at dinner.
Peaches. Mr. Shepards are many of them quite ripe - have been mellow, some of them, 4 or 5 days. Many here from N York.

Plums. Some white & purple plums are ripe, or nearly so.

Pears. Some large pears are ripe.

Tomatoes. Many are ready to eat, or near it. Some have been ripe 10 days or more.

Crickets have their regular autumnal noise

It is ke-irk, ke-irk, kirk, &c. or something similar.

Grasshoppers have an under tone, che, che, che &c.

Chimney Swallows were here yesterday & Sept. 12.

S. B. Parsons took my Ohio money to day to exchange in New York for current money \$109. Paid me towards it 39 dollars leaving but 70 dollars, minus the discount. [settled.]

Wednesday 11.

Walked out to Bensonville & back P.M.

Foliage.

Red Maples. Have there a limb with pale red foliage is seen, but such branches are not plenty.

Sumacs. The red leaves increase.

Elms in village show a few yellowish leaves.

Butternuts show a few yellowish leaves.

In general, all foliage is green. The mountains are all green.

Congress have finally passed laws in regard to California, Utah & New Mexico. The South has not gained everything for slavery but has gained too much.

Whether the nation has lost by the death of Gen Taylor, I do not know. That is, I do not know whether the policy of his successor will be worse or better than his would have been.

Thursday 12.

Brother Matthews daughter came in to day.

Friday 13.

The girls went home with their father after sunset.

September 1850

Friday 13. Meadow Crops.

In the afternoon, I walked down to Middle Meadow, & across this meadow, near Mill River; and came back by Hockanum Road.

Middle Meadow Grass or Rowen. This is good where the first crop was mowed early; when it was mowed late, there is little or no rowen.

The lower part of the meadow where the grass is chiefly *Triticum repens*, or quack grass, is mostly mowed in the barn. And some on the higher, more central part of the meadow, is mown, where the grass is *Andropogon*, English, clover, &c. Farther east, towards the Hockanum road the grass is not cut, nor is the N. side of the meadow cut, next to M. M. Hill.

Kinds of Grass in the Second Crop.

In the wet & swampy places, the grass is *Panicum agrostoides* & *Carex*, with many brakes. Some grasses seen in the first crop are not now visible, as the *Circa*, *Poa pratensis*, &c.

On ground a little higher & dryer, *Andropogon* is mixed with the *Panicum*, *Carex*, and brakes, & a very little English or *Poa pratensis*.

On the broad elevations, or middle part of the meadow, the grasses are *Andropogons*, *Poa pratensis*, clover, these are easily seen. There is undoubtedly some red top & other grasses, not very distinct. Dandelion leaves are very plenty, & some other leafy herbs are seen. In many places, the barn grass with a foxtail spike (*Setaria*) is seen.

The *Triticum* occupies the side of the meadow next to Connecticut river, without much mixture, & though not high, it is thick, and forms a good swath. It extends in some places half across the meadow, or spots of it do. Has some other grasses mingled in some places.

Grasses which show panicles or spikes. *Andropogons* of three sorts as usual. Some of these grasses show inflorescence, but a large portion have only leaves. The panicles of the *A. nutans* are much more plenty than the spiked heads of *A. furcatus*, perhaps 3 to 1, & both are more common than *A. scoparius*. I presume that these grasses do not send up stalks a second time.

Panicum virgatum. Some panicles seen.

Panicum agrostoides. Its reddish panicles, terminal & lateral, are plenty in wet places. Not out in first mowing.

Annual *Setaria* or barn grass has spikes. Not seen at first mowing.

Clover, red, has some heads. This flower, twice a year. Grasses do not, Herd grass does, but is not seen in M. M.

Friday, September 13. 1850

Meadow and Crops.

Grass in Middle Meadow, continued
West of Hockanum Road, I think:—

Triticum repens may be No 1. } Perhaps No 1
Andropogons, 3 sorts, } No 2 } should be No 2.
English Poa — — — No 3.

These are the main grasses. After these come
P. agrostoides, Clover, *Setaria*, braked,
and considerable *Carex*. Some others.

Andropogons, *Triticum*, *Poa pratensis*,
with some clover, are about all the plants
in the rowen that are of any value as fodder.
There may be more Redtop leaves than I imagine.

Grass or Rowen in Higher Meadow.

Some pieces are mown, of clover & herdsgrass,
but in general not. Some is stout, some not.
The *Setaria* (foxtail spike) is plenty with the
clover & herdsgrass. — Here as elsewhere, clover
& herdsgrass put out heads & blossoms a second
time. *Setaria* is fully heads, for the first time.

Andropogon furcatus shows its spikes
plentifully on Apthorp's mowing lot, just
below the deep ditch. This species of grass
is seen in other places in the higher meadow
but not where the plow often goes.

Grass, &c. on Rye stubble, besides that sown.

Setaria is most abundant — enough for a swath.
its foxtail heads are very thick.

Rabbit-foot clover is less plenty — is dried up.
Wild wormwood, wild radish & horsetail
are mingled with the others — not plenty.

Indian Corn.

- 1 The best pieces have many ears ripe and
the husks white & dry, & part of the stalk dry;
- 2 and still more ears that are mostly yellow
with husks partially white or reddish, or all
- 3 green; and many ears less yellow, but all
begun to be yellow, with husks & stalks green.
The panicles of all corn are brown & chaffy.

Pieces that are second best as to maturity,
have ears No. 2 & 3, but not No. 1, and some
ears that have but little yellow or hardmen. I
think nearly all ears are beyond roast
ears — are too hard for that purpose.

This part of the meadow which I saw
is perhaps about as forward as the average
of the north meadow. Corn was the best
on Middle Meadow Hill.

Friday, September 13, 1850

Meadow & Crops.

Broom Corn

Best pieces have the panicles, nearly all of them, entirely out & developed; many heavy and drooping with plump seeds; many with seeds not yet fully grown; & some with flowers. More or less panicles hang down at an acute angle, not caused by the weight. Weight makes an arch and not a sharp angle in the branches.

Pieces that are second best in respect to maturity, have fewer heads with plump seeds, and some panicles, or a considerable number, not fully out of the sheath.

Lower leaves of best broomcorn are becoming reddish & yellowish with the ends withered. Upper leaves green.

Potatoe tops are dead or dying. Potatoes said to be diseased.

Pumpkins among corn, not promising.

m. 18. p. 328 Weeds among corn, & some of them among broomcorn. (Ratter is more free from weeds than Indian corn.)

- No. 1. *Setaria* or annual foxtail, a barn grass.
2 *Panicum capillare* a tickle grass.
3 Wild wormwood or Ambrosia.
4 *Panicum crus-galli*, a barn grass, annual.
Pigweed, 2 kinds of Sorrel, *Equisetum*.
Arsmart, Heartsease, *Carex* & some other grasses,
Bromus Agrostis — small Johnswort,
3 Seeded Mercury — *Convolvulus*
Plantain, Lobelia, Beggar ticks on borders,
Amaranth, a little; (*Equisetum* very plenty on M. M. Hill.

Crickets seem plenty by the noise.

Grasshoppers are plenty in places, about an inch in length.

Yellow Butterflies, plenty.

Birds, none seen or heard, except crows.

Foliage.

The mountain forests are all green.

The lowland trees are nearly all green.

Some limbs of white maples by mill river are becoming reddish — very few such.

Amelopsis by mill river is becoming quite red. The red leaves are yet on small trees full of green leaves.

The Season does not differ much from last year. Corn broomcorn & foliage are about the same, as I judge.

September 1850.

Saturday 14.

Garden Flowers.

Many of those noticed Sept. 1. still continue. Some have disappeared.

Asters, Zinnias, Dahlias, are fresh & good.
Goreopsis, Coxcombs, & portulaccas, are plenty.
Snappers, Red Pinks & some others are do.
Lady of the Lake & Chrysanthemums are seen.
Tall Prince's Feathers & tall Sunflowers are do.
Tall phlox, the white & the purple, and low phlox, are not gone.
Trumpet honeysuckles continue to blossom.
Syrian Hibiscus. Flowers are nearly gone.

There is another species here, with smaller flowers which is now in full glory, or a little past. It may be an hibiscus; and it may be only a variety of Syrian H. Small petals are connected with pistil & stamens - a sort of flower within a flower.

Artichokes are not yet in blossom.

Japan lily is on the wane; but some buds are not open. The beauty is mostly gone.

Some flowers remain of several other species.

Mary golds, large & double, & the smaller ones, are fresh.
Mullein pinks, Larkspurs & Sweet Peas still blossom.
Petunias are abundant. Cypress vine still blossoms.
Eschscholzia, Hibiscus, Trionum, pulchellous plant.
Matrimony vine still blossoms. Nasturtium.

Wild Flowers.

Many of those noticed Sept. 1. continue. Some are not now seen.

Star Flowers, white, & blue. } Are quite prominent.
Golden Rods, yellow, & some white. } The Golden Rods are the most early of these.

Hearts ease, Arsmart & other polygonums are full of flowers.

Clematis has now abundance of feathery tails.

Fleabane No 5, & some Golden Rods, are 6 feet high.

Garget, wood sorrel, Wild sunflower, still blossom.

Jeune weed, Scabish, corn Thistle. " "

Fire weeds seem to be in full blossom.

Beggarticks are only partially out - are a very late flower.

Black nightshade continues to show its blossoms among the garden weeds.

Mulgeedum. Toadflax. Bouncing Bets. Mayweed.

English Oaks at Brights.

One species has large, long acorns, with a shallow cup. These resemble the red oak acorns, but are more ovate, that is swelled in middle, and smaller at the rounded ends and cup is not so thick. The peduncles are about 4 inches long or from $3\frac{1}{2}$ to $4\frac{1}{2}$, slender, some with 1 and some with 2 acorns.

Another species or variety has peduncles from 1 to 2 inches long, stouter than the other, & bearing one, two, or three acorns each. The cups cover more of the acorn than the preceding, and the acorns are not so large. They with the thin edged cup resemble the chestnut oak acorns.

There is some difference in the leaves - not a great deal.

Saturday, September 14. 1850.

Garden Weeds. [Illus. 18. 378]

Those now in the garden are:—

- 1 *Panicum capillare*, or Tickle grass, very prominent.
 - 2 *Amaranthus*, two or three species.
 - 3 Pigweeds or *Chenopodiums* — only one sort now seen.
- Ragweed or wild wormwood. Nightshade.
Purslane. *Poa annua*, Heartsease,
on borders — Branched *Agrostis*, Semi-transparent Vetch.

In the lower garden, in addition to these — are

Panicum crus-galli — 3 seeded Mercury.

Setaria with a foxtail head — Plantain —

Lobelia — Some of these only about borders.

Beggarticks — on the border. — some *Carex*.

On the whole, the garden weeds differ very little from those of the meadow. The most prominent now (Tickle grass) is hardly seen in the spring. [See *Digitaria* below.]

Two Weeds. I have heretofore confounded two garden and meadow weeds, calling them both *Panicum capillare*, or Tickle grass. They often grow together. Both are annuals.

The *Panicum capillare* has a large, expanding panicle, with many branches and sub-branches, which are capillary; the sheaths are very hairy and leaves also. The panicle hardly gets out of the sheath entirely; the lower branches at the bottom are in the sheath. Some leaves are 12 inches long instead of 6, as stated by Wood.

The other garden weed which I did not at first distinguish from the ~~*capillare*~~, I believe,

Digitaria sanguinalis or purple finger grass. It is commonly 1 to 2 feet high, but sometimes in rich places more than 3 feet high, and the digitate spikes are sometimes a foot above the top leaf, and a smooth stem between them, which is purplish, but not so deeply purple as the fingers. These fingers or spikes are 5 to 9 ^{seen} Wood says; this may be true of most, but I have seen many stems with 10, 12 and 14 spikes. The plant is hairy but much less so than the *Panicum capillare* and the leaves are shorter. — These fingers or spikes have some resemblance to those of the *Andropogon furcatus*. They are common in gardens, cornfields, and are often seen in meadow mowings, in upper or ploughed meadow. They are frequently with the capillary green *Panicum*. Both sorts show their inflorescence late in the season — sometime in August it begins. — *Digitaria* is now most plenty in my garden.

In my enumeration of weeds for a year or two past, the *Digitaria sanguinalis* should be added. In 1848, however, I knew the *D. sanguinalis*, mentioned it several times.

Glacier is a troublesome garden weed in the spring.

September 1850.

Saturday 14.

Rowen in homelots. They have been gathering this for some time past. It is not all mowed yet.

Gardens. The foliage in gardens is generally green and fresh. Some things are faded, and some are dead. Bees are full of blossoms.

The Red Berries of Mountain Ash, make a fine appearance; & bend down the limbs — Some of the high cranberry bushes are loaded with red berries. — The Galatrus scandens is full of yellow berries. — The snowberry is full of white berries, some quite large. — Barberries are getting to be quite red.

Chimney Swallows still continue. I saw several to-day. Also Sept. 15.

Change of Foliage.

The change is very little; trees & shrubs are green on mountains, hills & lowlands. The slight changes that have taken place have been noticed in days past, viz. in

Branches of red maple here & there, but not very plenty.

Branches of white maple, a few.

Sumac and Ampelopsis — more red than maples.

Butternuts & Elms — some yellow leaves.

Probably some others have commenced the change.

Sunday 15.

Rev. A. Barnard and Warner preached A.M.
The Swift Press.

Monday 16.

I have been preparing some days to visit son J. Walker at Brooklyn N.Y. with wife Apphia is now there, under the care of a physician. Has long been in a feeble state.

Arthusa is there. Hopkuri nearby in New York.

I intend to visit some Connecticut towns on my return.

Expect to start about 7, this morning.

P.S. I went to New York & Brooklyn on Monday Sept 16, and the night following, all by Steamboat below Springfield. Staid at son J. W. S. until Sept 30, when I left wife at Brooklyn, and went to New London by L. I. rail road & Steam boat. Thence by Rail Road to Williamantic & Hartford — by Steamboat to Middletown & Essex. on foot chiefly to Guilford — by Stage to Athens. By road back to New York Oct 12, & to J. W. S. in Brooklyn. We came home Oct 14, or from 4 P.M. Oct 14, to 9 1/2 Ant. Oct 15. To Hartford by boat

October 1850

Money Matters.

Receipts

Money on hand when I started for New York Sept 16.	38.06
(set under money matters in August)	
Oct. 15. All expenses, going, come & there staying	24.19
Excursion to Connecticut	
Oct. 15. On hand	13.87
15. Of Angel Phelps, Jr. Esq. for services	1.00
29. Of S. C. Parsons	10.00
Nov 15. Of do	10.00
25. Of do	2.00
Dec 19. Of do	
	<u>\$46.87</u>

Expenditures

Oct 15. Beef 16. Bread 13. Coffee 16. Butter & cheese 29.	0.74
Postage 50. Evangelist & box at P.O. till Jan. 1. '51	0.42
17. Postage 25. Stoddard & Lathrop's acct. 71.	9.96
21. Beef 20. Postage 10. Washing Mrs Salisbury 67.	0.97
24. Sweet Potatoes 13. Yeast & 5. Postage 5. 20.	0.43
29. Coffee 18. Soap 6. Quills 6. Rice 10.	0.46
30. 1/8 lb. nice flour of the mill 94. 1/2 lb. S. Lamon 4.	1.03
31. Sweet Potatoes 8. Envelopes 6. Cheese 13.	0.27
	<u>14.28.</u>
Nov. 2. Parish Tax to S. L. Smith (no deduction)	7.25
4. Postage 15. Contribution 10. Brown 25. Lamb 30.	0.81
7. Cheese & potatoes 24. Washing fluid 10. Postage 5.	0.39
9. Mrs Salisbury, cleaning 25. Ink 25. Steel penholder 6.	0.56
10. Ind meal 14. Postage 25. 15. Coffee 18.	0.72
15. Yeast 3. Postage 10. Beef 29. Cheese 14.	0.60
16. Loran money 5. Iron plate 10. Something 8.	0.23
16. Horse & wagon to Wetherington	1.00.
16. Paid sister Sarah for 3 lbs 63. Butter.	1.00
	<u>26.84</u>
18. 2 boxes for Maine. 18. Postage 25. Walnuts 6.	0.49.
18. fixing box 6. freight 6. Washing 50.	0.62
19. Sent to Peninnah at Augusta	5.00.
19. Tribune & 4. Postage 5. Envelopes 10.	0.20
20. B. Wheat flour 29. Tribune 5. mudd shoes 5.	0.20
23. Potatoes 8. Postage 2. Yeast & 6. mudd book 3. Beef 36.	0.75
25. Cassia & cloves 25. Cheese 13. Tribune 3.	0.41
26. Lard 82. Potatoes 17. Salt 25. Postage 5.	1.29
27. Postage 15. Mr Sikes for 16. 50 work 50.	0.65.
27. Cheese 20. Tribune 3. Wife 6. Postage & 12.5	0.46
	<u>37.09</u>
Dec 4. Postage 25. Coffee 18. Postage 20. Tribune 3 & 0.	0.72
9. 24 lbs wheat flour of the mill 3 weeks since	0.94
Sent to Town Clerk N. Haven	1.00
12. Beef 35. Postage 43. 15. sunds 10.	0.88
14. Paid for flour to the mill 49.	1.88
14. Paid for do for Frances 24.	0.94
16. Cheese 13. Washing 50. Postage 13. 20. 10.	1.06
19. Sawing wood 65. Cheese & Coffee 32. Postage & 30.	1.27
21. Package sent to Parkman 25. Postage 15.	0.40
25. Pork 34. 1/2. ending 13. Postage 5. Tribune & Postage 12.	0.72
1/2 lb. Jan. 1. 1851	
	<u>\$46.87</u>

October 1850

Thermometer

Wednesday	Sunrise.	10 M.	9 P.M.
16	35	63	48
17	40	65	58
18	54	60	56
19	53	61	44
Sunday 20	33	60	47
21	43	58	42
22	35	58	47
23	44	60	60
24	60	62	53
25	51	58	54
26	53	54	55
Sunday 27	50	58	41
28	35	56	47
29	38	52	37
30	24	52	33
31	28	59	47
		676	939
			774

Weather, &c.

Fair & pleasant.
 Fair $\frac{1}{2}$ or more, some cloudy.
 Cloudy. Little Rain, N. &c.
 Fair.
 Fair.
 Mostly Fair
 pt Fair. pt cloudy
 Cloudy mostly
 Cloudy, mostly
 Cloudy. Rainy Evening.
 Rainy by turns. Heavy rain at night.
 Fair A.M. pt Fair P.M. Windy
 Fair
 Fair
 Fair
 Fair

Temperature for 16 days

at sunrise $42\frac{4}{16}$
 at 10 M. $58\frac{11}{16}$
 at 9 P.M. $48\frac{6}{16}$ } Average $49\frac{37}{48}$.

October has been a mild and agreeable month. Good weather for fall business, for travelling, &c. Not much frost from the 8th, until the 30th.

October in Augusta, Maine, averaged $45\frac{1}{2}$. at 6 A.M. 57 . at 2 P.M. 48 . at 9 P.M. 48 . Average $50\frac{1}{2}$. The whole month was a little warmer at Augusta than the last half here.

October 1850

Tuesday 15. I and wife arrived at home from Brooklyn, L.I. and New York, at about half past nine this morning. We started from New York at 4 P.M. yesterday, in the Steamboat & came to Hartford before 5 this morning, and came from Hartford in the cars at 6³/₄ o'clock. It cost me for both of us from New York to Northampton \$4.12. or \$2.06 each; and 14 cents more from Brooklyn to New York. We spent in going down 5.67 - so all our travelling expenses both ways did not exceed \$10. The expenses of my visit to Connecticut from Brooklyn, & back, were about 12 dollars (gone 13 dimes) and we expended about two dollars in New York and Brooklyn, making all expenses \$24.19. We bought no provisions in going nor in returning.

The weather has been fine nearly all the time of our absence, four weeks and one day. It has rained on a part of two days & one night. No boisterous winds - no severe storms. There has been no equinoctial storm - nothing that can be called such for two or three weeks before and after the equinox.

Frost. There was some frost in Connecticut and on Long Island, one of the last days of September, perhaps 29th - and severe frost Oct. 7. & 8. - Probably no frost to injure anything in Northampton until the last week in September, & near the end of the month. Very severe Oct. 7. & 8.

P.S. On inquiry I find that there was no hard, severe frost in this village until the morning of Tuesday, Oct. 8. - the same time when the frost was heavy at Guilford. There had been some white frost previous to Oct. 8, & some damage was done in the vicinity, but in this village, beans, squash vines, dahlias, &c. were not cut down until Oct. 8.

Wednesday 16.
I walked out to Bensonville P.M. to see Frances & the children.

Foliage
The brilliant autumnal foliage has been marred & deadened by severe frost as it always is. Brown, brownish and reddish brown and brick red are the common colors now - including some green, yellow, orange, yellowish green, dirty yellow, dirty green and other hues - a little bright red.

Many leaves have fallen from several kinds of trees. Butternut trees are bare.

Pine trees, white & yellow, are shedding a portion of their foliage, and the trees show much brown foliage, which will fall

October 1850.

Thursday 17.

Autumnal Foliage - continued.

Elms in the village are brown & brownish with a mixture of dirty yellow & green. No beauty in the foliage. Many leaves fallen.

Hard Maples in the village, differ much. Some have bare tops. Some are brown in the upper part, yellow in the middle, and greenish in the lower part. Some trees show fine red leaves, & some are mostly orange or yellow, or variegated. Some are mostly brown or dirty yellow. None have so bright colors as they have had.

Red Maples are more bare, than sugar maples, and have more brown leaves, but retain some dull red, &c. Beauty is gone.

Horse Chestnuts - Leaves that remain are brown and curled by the frost, on the outside. ^{of trees} The others greenish.

Gleditsia locust. Leaves are a yellowish green and are falling. Some trees almost bare.

Common Locust. Leaves turned greenish brown by the frost. Some falling.

Tulip Trees. Are different from most trees in having brown leaves in the lower part, yellow in the middle, and green at the top.

Button Balls. These trees show brown leaves as well as green ones; and brown leaves and greenish leaves are falling.

Ash Trees. They are generally bare of leaves. Some trees have yellowish green leaves. There is quite a difference in these as in most other kinds of trees. Some purplish leaves ^{seen}.

Butternut Trees are generally bare.

Weeping Willows retain their greenness yellow Willows have yellowish green leaves.

American Bass Trees have most of leaves brown or dirty yellow; some of lower leaves are green. Many have fallen.

English Linden Trees retain their leaves, and they are generally green. Some yellowish.

English Elms are mostly green. Some yellowish leaves at ends of branches. Leaves adhere to trees.

English Oaks are all green.

Ailanthus. Frost has killed the leaves & they are a little brownish, but not yet falling.

Dogwood leaves are reddish. viz. flowering dogwood.

Many Rose Bushes
High Cranberry
Bushes of Rubus genus
Smoke Trees
Snow Ball } These are of a reddish brown with more or less green. Some in the village are mostly green as Thimble berries, & others mentioned. Indeed, all perhaps have more green than red.

Buck Thorn. Leaves are generally green.

Hawthorn. Leaves green, with some yellowish.

Lilacs & Syringas & Osage Oranges. Leaves green, except Syringas which have some brown & yellow leaves, & some fallen.

Horse Chestnuts (see above) Many trees are quite full of leaves but brownish on outside, & green or brownish green within.

October 1850

Thursday 17. Autumnal Foliage continued.

Forest Trees, without the village & some in.

Red Oaks at Fort Hill are generally green with some brown slightly tinged with red, & some brownish yellow. Some young trees & lower limbs have red or reddish leaves. Some trees have a good deal of the brownish; but many are quite green. Large tall oaks make quite a show of green.

White Oaks towards & at Bensonville are more or less green, or some are; but many are quite red though generally of a dull red.

Scarlet Oaks about Bensonville, are green with some brown and red; and some are rather brilliant ^{in spots} with red or scarlet.

Pine Oaks near Mill river are green & brown.

Chestnut Trees have some green, & dirty yellow, but a large portion of the leaves are brown. Leaves are falling.

Yellow Birch at Fort Hill have lost their leaves. Show large catkins.

White Deltoid Birch have yellowish & brownish leaves and many fallen.

River Poplar has dirty yellow & brownish leaves, and many fallen.

Great toothed Poplar - has dark yellow, or brownish yellow leaves - some greenish, some yellow.

White Poplar - has more green leaves, but many have changed to a dirty yellow.

Lombardy Poplar - more green than others - some yellow.

Silver Poplar in village, - leaves green & yellowish.

Beech Trees. Brown above, yellowish in middle and green below; or brown on outside, next yellow, and within green.

Hornbeam - leaves green & reddish.

White Maples by mill river. Leaves green or greenish are a large part; but there are many brownish, & yellowish & some reddish. Of two trees standing together, one is found almost all green, & the other has many of its leaves of a dirty yellow, brown, &c.

Striped maple at West - leaves have been yellow - are now turned a little brownish, & to brownish yellow.

Shagbark Walnuts. Some are almost black; many are brown, & some show some yellowish leaves with brown.

Pignuts have many green & yellow or orange leaves.

Curly Willows at West are green mostly - a little brown.

Bladder Nuts at do have green leaves. Bladders are turning brown.

Prinos, with red berries, have green leaves.

Mountain Ash in the village. Many have brown leaves, but some have greenish leaves. Full of berries.

Mulberries have brown leaves, killed by frost.

Catalpa has brownish green leaves, killed by frost.

Asmepelops in village. Leaves are fallow. Berries remain.

Celastrus Scandens - leaves yellowish green - withered by frost.

Trumpet Hony suckle. Leaves green & some yellow, and red berries.

Trumpet Flower at Mr. Allens. Leaves all green.

October 1850.

Thursday 17. Autumnal Colors—cont.

Chesnut & Oak forests, as Round Hill, when seen at a little distance are generally brown, with some places of reddish brown, and some yellowish & greenish spots.

I have not had a good view of the mountains around, but when I have seen them, the chesnut regions is generally brown, with some mixture of other hues; and where the oaks are plenty there is more green & reddish brown.

The Walnuts on the backside of Holyoke seemed to me in the cars, to be generally brown.

The beauty of the forests is gone, or nearly so.

Fruit Trees.

Pear Trees, are turned, black, brown, reddish & and some ^{are} considerably green yet. Many leaves fallen, insightly.

Plum Trees have lost many leaves, and those left are of dirty or spotted colors—green, yellowish brown, &c.

Apple Trees are generally green, but leaves are changing to dirty yellow, brown, &c. Some are falling.

Grass Apple Trees have lost almost all their leaves.

Peach Trees, many are full of green leaves, and many have a mixture of reddish and yellowish leaves; indeed most have leaves are falling.

Apricot Leaves are generally green but spotted, are falling.

Quince Trees are more green than other fruit trees, & full of yellow Quinces.

Garrant leaves are mostly fallen. Those remaining are of dirty colors.

English Cherry Trees. Some are almost all green, but most trees exhibit some purplish, reddish, brownish or yellowish leaves, or all of these hues, and many leaves have dark spots.

Spotted leaves are common at this season of the year, on fruit & forest trees.

Old kind of Cherry Trees have changed color—have green & other hues—all dull.

Crops of the Farm or meadow.

Broomcorn is all under cover. There must be a good crop, & much ripe seed.

Indian Corn. Much stands in the fields in bunches. Some pieces (not many) have the stalks cut & are not picked. Some corn is brought home. All become ripe or nearly all, I think.

Potatoes. Great destruction by the disease. No year has been worse, it is said.

October 1850.

Friday 18.

Fruit, &c

Apples are more plenty & fairer than in some years past. Not so fair as in Southern Connecticut and about New York.

Gardens have yielded well, & held out.

Chestnuts are now fully ripe & burs well opened. Have been gathered for some days past. Seem plump & fair.

Walnuts, are good, as far as I can judge.

Wild Berries seem to be large & plump.

Pumpkins, do not appear as well as usual.

In the late wet season, crops, fruits, berries, &c. seem to have been fairer & more fully grown than usual. Less imperfect, shrivelled, &c. than in some years. Potatoes must be excepted.

Acorns seem to be plenty.

Compared with last year at this time, there is not a great difference in the color of trees. There seems to be more brown now than last year at this time, & I think the frost of Oct. 8. was more severe than any last year previous to Oct 15, & that brown has thus been pretty common earlier than last year.

Comparison with the Southern part of Connecticut, &c. — In New York and Brooklyn, the shade trees exhibit no bright colors — no red, no orange. They seem to change from green to brown, or fall when green. There is some pale green, &c.

In the Connecticut towns near the Sound the Sumacs, whortles, briars, piper edg es, Dogwoods and red maples were red or reddish before the frost of Oct 8, & not much else. Some trees were a little yellowish, after the frost there was an increase of brown. & of some other colors. Chestnuts were green or yellow & brown as here at that time. Walnuts (mostly pignuts) very plenty did not turn orange or yellow as here, in general; but continued greenish or turned brownish, with a little yellowish green. Oaks continued green, but white oaks and some others had some red or reddish branches. Red maples are not common; those used as shade trees did not show much red or yellow. The forests Oct. 12 were generally green, with some pale green, yellowish green, & some reddish. Trees in open lands by the road showed more red, & other hues. Some brown. On the whole there is less brilliant red & much less bright orange or yellow in the towns on the Sound than in Hampshire County. Indeed bright orange is hardly seen.

October 1850.

Friday 18.

Trees, crops, flowers, &c. seem to be in about the same state of forwardness in Southern Connecticut as here. Perhaps a little more advanced there.

Katadids & crickets, were heard there as here. Flocks of Crows seen there; and screams of bluejays heard. Grasshoppers & yellow butterflies seen there as here. Some larks seen.

Katadids & still continue their evening noises. Crickets & here.

A few Garden Flowers are still seen as the late Phlox (tall). Ranunculus, Petunias

Wild Aster, & Golden Rods still bloom by the road side; and a few other plants.

Anchropogon furcatus. I found some stalks of this today near Mill river 7 feet high, and a number over 6 feet. Turned brown by frost.

Saturday 19

I am again laid up with a sore swelled foot, just as I was in Maine. Can hardly get across the room. Yet I can read & write at the table.

Sunday 20. Same at home

Letters ~~sent~~ written. [Continued from Aug 31.

Oct. 18
To son James W.
To Rev. S. C. Nash, Essex, Conn. Oct. 18.
To Doct. Uri Judd, Pennyw. N.Y. Oct. 19. sent 21
To J. H. Turnbull Hartford Conn Oct. 19 sent 21
To N. C. Whiting, Esq. New Haven. Nov. 1 Oct. 21
To George B. Judd, Frankfort Ky. w. Oct. 21
To Siles Judd, Esq. Perryville, Madison Co. N.Y. Oct. 21
To Imhur Judd, Southington Conn. Oct. 21.
To Siles Judd, again Oct 21
To Rev. Israel P. Warren, Hamden Conn. Oct. 28.
To James McKee Jr. Harlem, N.Y. Oct. 29.
To Philomena at York & North Yon. Oct. 30
To J. R. Turnbull Amherst Oct. 30
Prepared a package of 6 sheets for Mr. Savage
and put in post office Nov. 2
To E. P. Smith, Rochester Nov. 2
To F. Judd, Hartford Nov. 2
To E. M. Taintor, Shelburne. Nov. 4.
To Nathaniel Goodwin, Hartford. Nov. 4.
To Hon. John Wentworth, Mc. Chicago. Nov 8
To son G. Parkman at Reading Nov 8
To Solomon Judd Esq. (Binghamton, N.Y. Nov 9
To Deco. Ambrose Judd, Marcellus, N.Y. Nov 9
To Thomas Judd, Stilloughby Nov. 9
To Thomas B. Gardner, New York city Nov 9.
To James Savage, 3 sheets, (P.O. Nov. 12) date Nov. 11.
[Cont. Nov. 17.

October 1850

Monday 21.
Same at Home

Tuesday 22 } Same all these days. at
Wednesday 23 } home, but busily employed
Thursday 24 }
Friday 25 }
Saturday 26 }

Sunday 27. Same, but better.

Monday 28 Same.

Tuesday 29.

I went to the Stores, Post Office &c. today. Have not been out before since Friday, Oct 18.

Cousin Samuel Edwards sent me,

^{see Aug. 5 1851}
7½ bushels of Apples, viz 2 of Greenings,
2 of Rums, 2 of Seekno further, one of
Baldwins, ½ bushel of fall apples.

also 1 peck of Quinces.

Nov 4. 5 Gals. Vinegar. ½ b. Turnips.

Wednesday 30 } I am about, as usual -
Thursday 31. } go where I please. Foot nearly well.

My troubles about the side I have not felt, or have scarcely felt since the early part of my visit to Maine, in July. Whether my sore and swelled toes have had any influence upon this other difficulty, I do not know. My toes on the right foot have had raw sores between them, and much swelled, & the foot adjoining swelled, but the great toe has not been affected. It was the same when I was in Maine. I have not suffered much from pain but could not walk about, except a little in the house.

Jenny Lind, the singer, from Sweden, has made more talk and excitement for some weeks past than any thing else. All seem to admire her singing; the pious as well as others. Her character is good.

P.S. On the 6th of November, many went from this town to New York, & from Springfield, Hartford, &c. to hear Jenny Lind. The Rail-Roads had out handbills, offering to carry passengers to New York and return them, & furnish them with tickets for Jenny's singing at a certain price. The price for a passenger to & from New York including a ticket was \$7.25, in this place. Further south the price was less.

November 1850.

Thermometer.

sunrise, 4 p.m. 9 p.m.

Friday	1.	41	64	53.	pt fair, pt cloudy.	Southerly
	2.	50	58	46	Cloudy	N.E.
Sunday	3.	48	54	52	Cloudy & Smoky	N.W.
	4.	48	66	52.	Mostly Fair, some clouds, very mild, some smoke	N.E. N.
	5.	50.	56	54.	Cloudy & Smoky.	Southerly
	6.	51.	67.	57.	Sunshine, with haze & smoke.	Southerly
	7.	42.	56.	31.	Fair, colder.	N.E.
	8.	25.	44.	37.	mostly cloudy.	S.W. S.
	9.	36.	50.	38.	Fair and pleasant.	N.E.
Sunday	10	27.	51.	37.	mostly Fair.	N.W. & N.
	11.	23.	55.	39.	Fair & pleasant.	
	12.	32.	52	37.	Cloudy.	
	13.	33.	47	30.	Fair	N.E.
	14.	22.	46.	32.	Fair & pleasant.	N.E.
	15.	23.	50.	39.	Fair & pleasant.	S.E. &c.
	16.	41.	50.	45.	Cloudy.	Southerly.
Sunday	17.	42.	47.	39.	Rainy night	
	18.	35.	46.	40	Cloudy. Little rain.	N.E.
	19.	30.	47.	38.	Mostly Cloudy. Some fair.	S.W. &c.
	20.	28.	40.	35	Mostly Fair	S.W.
	21.	26.	40.	31.	Fair & pleasant.	N.W.
	22.	25.	38.	25	1/2 Fair, 1/2 cloudy.	N.W.
	23.	16.	40.	25.	Fair & pleasant.	N.W.
Sunday	24	24.	38.	24.	Fair & pleasant.	N.W.
	25.	20.	43.	28.	Fair 1/2 cloudy 1/2.	N.E.
	26.	30.	35	34.	Fair & pleasant.	N.W.
	27.	34.	42.	39	2 inch snow in night	N.E.
	28.	45.	42.	34.	Cloudy. Some drizzle.	N.E.
	29.	34.	42.	40.	Cloudy. Foggy.	S.W. S.
	30.	40.	49.	32.	Cloudy. Some Rain	N.E. &c.
					Cloudy. Rainy.	N.E.
					Cloudy heavy. Fair Day	N.W.
		1021	1456.	1143		

Temperature

at sunrise $34\frac{1}{30}$
 at 1 P.m. $48\frac{16}{30}$
 at 9 P.m. $38\frac{3}{30}$ } Average $40\frac{29}{90}$

A very mild November - 7 degrees warmer than November 1848. Much fair & pleasant weather. No heavy winds nor tedious storms. The last 5 days were cloudy with some rain.

The whole autumn has been very fine. Seldom have I known so pleasant an autumn.

November 1850.

Friday 1.

Foliage.

Forest trees in the village of American origin are all bare of leaves, or nearly so. They lose their leaves sooner than trees of European origin.

Oaks. Some of these at Fort Hill, Round Hill, and the mountains around, retain many brown, reddish brown, or dull red leaves.

Trees & shrubs of European origin. These retain their green leaves much longer than those of American origin.

Elms, English, are quite full of green leaves and some not green, while our Am. elms are bare.

Linden or English Bass. These have many leaves, though the greater part have fallen. Our Am. bass trees have no leaves - only the little floral leaves & berries remain.

English Oaks at Brights are quite green, though some leaves are brownish. The English Oak in Jay's lot is as brown as the red oaks by his fence.

Weeping Willows. These are green & make a fine appearance with their long, pendulous branches. They are very conspicuous, because other leaves around them have fallen.

Yellow Willows retain many pale green leaves, but are quite inferior in appearance to the others.

Silver Poplars retain many pale green leaves.

Fruit Trees. have lost the greater part of their leaves, but retain some green leaves and some brown, yellowish, &c. As Apples, Peaches, Cherries. But a very few green leaves are seen on apricots & plums - none on pears, which I notice. Lilacs are the most green of any fruit trees - some are yet quite green.

Shrubs. Buckthorn & Hawthorn are pretty full of green leaves, with some brownish and yellowish. Lilacs have many green leaves & some do. Syringas have a few. Osage Orange, and Shepardia a few. Rose Bushes have many leaves green, reddish, &c. The Trumpet flower and Trumpet Honeysuckle have some green leaves, some of other colors.

Grass is very green in all lots about the village.

Some herbaceous plants are yet green. A few flowers are seen in gardens, as the tall Phlox, small marigolds, larkspurs, &c. Violets are always plenty.

The rain & wind of Oct 26 & 27 made havoc in the leaves. Many forest trees & others were full of leaves before.

Hackmatacks are of a dirty yellow. many leaves fallen.

November 1850

Saturday 2d

I walked out $\frac{2}{3}$ of the way to Bensonville met Frances and Kate coming in & came back. Toilage. The forests that I saw showed but few leaves, except Oaks. The red oak leaves are brown, or chestnut brown, - not the brown of most brown leaves in autumn, but brighter, not reddish brown. White & Scarlet oaks are more red, some quite dull, & others more bright.

The red berries of the *Prinos* make a fine show. There are some in the village. Bushes full of berries without leaves.

The white snowberries are very conspicuous in the village. Some leaves remain.

The berries of the mountain ash and of the *Celastrus scandens* are seen.

Sunday 3. I attended meeting A.M. & P.M. Mr. Swift preached.

Monday 4. Mild & pleasant. Some smoke. A little like Indian Summer.

Tuesday 5	} The smoky mild weather continued on the 5th & 6th. A kind of Indian Summer, but not the old kind. The latter part of the week was colder but not unpleasant. Spent the week over my Connecticut papers, chiefly.
Wednesday 6	
Thursday 7	
Friday 8	
Saturday 9	

Sunday 10. At meeting A.M. P.M.

Mr. Allen preached.

At Chauncey Clark & Owen Kingseys in the evening. Kingsey has removed his family to N.H.

Monday 11. Town Meeting

I barely voted & came directly home.

No party had a majority. The whigs were more numerous than either of the others. The people voted in three parties. There was a great vote in favor of this town. For Representatives to Cong. (our

Whigs 416.	Free-soil 360.	Democrats 92.	Seated ^{total} 12 - 880
Farmer. do - 423.	do - 330.	do 117.	- -
Will. C. do 380	do 380.	do 104.	- -

Tuesday 12.

Information from 275 towns was received this morning. The Democrats & Free-soilers, uniting, have elected a majority of the Senate, about half of the House, & Governor Briggs falls in the re for 6000 or 7000 more than last year, and the whigs have carried but one member of Congress & Boston where the free-soilers were against them. Only three elected. The whigs are very much crest-fallen - are disappointed. For one do not believe that the Democrats can be trusted on the slave question.

November 1850

Wednesday 13.

Thursday 14.

The stove was brought in to-day.

Friday 15.

Sister Smith here. P.M.

Saturday - 16

Rode out to Westhampton, to get scions for grafting for son in law, J. H. Williams, from Capt. Hooker's trees and to see the folks.

Deciduous trees are nearly all bare of green leaves. A few scattered leaves are seen on some shrubs.

Small oak trees are full of dry leaves which have turned brown from reddish and reddish brown. Some larger oaks have many leaves.

The Prinos bushes make a rich appearance full of red berries and no leaves.

Witch Hazel bushes have lost most of the petals of their flowers; a few yellow petals remain.

Yellow pines show many brown leaves which are falling. White Pines are more advanced, & the brown leaves are gone.

Sunday 17

I did not attend meeting. Little Lane.

Frances & her children here, came yesterday.

Letters, [Cont. from Oct 20.

- Nov. 15. Wrote Rev. S. C. Nash, Essex Co. Conn. with two more, sheets, copied from the Probate records.
15. Wrote to Charles M. Saindon, Shelburne, Mass.
18. Wrote to Gen. Lyman Judd, Lenox.
18. Wrote to Mr. D. E. & Mrs. E. A. Bangs, Lenox.
18. Wrote to James Judd, Southington Conn.
19. Completed letter to Children at Augusta.
20. Completed letter to Miss F. M. Gaultier, N. London dated 19th.
20. Wrote to Children in N. York & Brooklyn
20. Wrote to Salomon Judd, Esq. Binghamton, N. Y.
20. Wrote to Wingate Thornton, Esq. Boston
- Dec 3. Put in P. O. 6 sheets for James Savage, Boston.
4. Wrote to Children at Brooklyn, N. Y.
4. Wrote to Daniel C. Judd, Champs. Elm, N. Y.
5. Wrote to Children at Augusta
5. Wrote to Alfred Terry, Esq. New Haven.
6. Wrote to son C. P. returned a Deed in the envelope
6. Wrote to Gen. Lyman Judd, Lenox.
6. Wrote to R. D. Smith, Esq. Guilford, Conn.
13. Wrote to R. D. Smith Esq. again. Put in office Dec 6.
14. Wrote to Rev. Dr. Field, Higganum, Conn. office 6.
- 16 & 17. Wrote to Rev. Israel P. Warren, Hamden, Conn. 2 sheets.
17. Wrote to son J. Mather, N. York.
- 18 & 19. Wrote to James Savage Esq. 2 sheets.
20. Wrote to Rev. Bethel Judd, D. D. Rochester
20. Wrote to Charles C. Judd Esq. Pennycuik, N. Y.

[Cont. Dec. 25

November. 1850.

Monday 18.

Frances & children returned to Bensonville. We packed a box of clothing, & other things for Peninnah, & sent it to the Express office, to be sent to Augusta. Put in the scions for Joseph.

Some snow fell last night on the western hills, and is seen this morning. I have not seen a flake of snow here.

Tuesday 19

Wednesday 20. Fine, pleasant weather.

Thursday 21. Brother Matthews & Anne here.

Friday 22.

Saturday 23. Brother Samuel Hall here yesterday & to-day. Returned to S. Deerfield. Brother Matthews & Anne here again.

Sunday 24. Home Miss. Went A.M. I did not go P.M. Home.

In Evening a mother fire, Colonnade Row, so called, burnt the old Timothy Mathen gambrel roof house, much altered.

Monday 25

A second attempt to elect representatives. The greatest turnout there ever was in Northampton — No choice.

Free soil votes 452

Whig — 407

Democrat — 67

Scattering — 927

Some Democratic votes are included in Free-soil perhaps 40 or 50.

Some miscount in votes, some say, and only about 900 votes, in all.

Tuesday 26.

Snow, $\frac{1}{2}$ inch, on the ground this morning. First that we have had here this season.

Wednesday 27

Freights to England are low. To Liverpool flour is carried at $\frac{1}{4}$ a barrel, & wheat at 4d. a bushel. Some things are carried at 20 p. a ton. (There are sterling rillings hence, I believe.) Cotton is carried for one dollar a bale. Freight from New York to England is less than from New York to Northampton. It is higher to other ports in Gt. Britain than to Liverpool. To Glasgow flour is $\frac{1}{8}$ and wheat 5d. — To France is higher than to Liverpool.

Thursday 28. Thanksgiving.

I and wife had dinner alone. No other here. Hall had been here at Thanksgiving commonly for many years past but dear Hall is gone. The day was rainy but not, & Frances did not come in. I did not go to meeting. Mr. Swift preached a sermon on the necessity & divine origin of capital punishment. Over Thanksgiving sermon. — Friday 29. Saturday 30.

December, 1850

Thermometer.

Sunrise: 10 m. 9 P.M.

Sunday	1.	24.	45.	34.	Mostly Fair, some haze. Southerly.
	2.	30.	38.	32.	Cloudy. N.E. & W.
	3.	32.	36.	36.	Cloudy. Rainy P.M. N.E. & W.
	4.	34.	50.	44.	Mostly Fair. S. N.W. & E.
	5.	40.	42.	38.	Cloudy & some rain. S.W. N.W. & E.
	6.	34.	39.	32.	Cloudy N.E.
	7.	28.	30.	30.	Snow 2 inches last night & today. N.E. Cloudy all day. Windy.
Sunday	8.	25.	28.	20.	Fair & cold. N.W.
	9.	15.	32.	29.	Hazy Am. Cloudy P.M. S.
	10.	26.	36.	21.	1/2 Fair 1/2 cloudy. S.W. N.W.
	11.	19.	-28.	-26.	Cloudy 3/4 inch snow. N.E. S.W.
	12.	23.	35.	30.	Cloudy. S.E.
	13.	15.	20.	7.	Fair, bright & cold N.W.
	14.	1.	20.	12.	Fair, bright & cold. S.E. S.
Sunday	15.	22.	41.	33.	Mostly cloudy. S.E. S.
	16.	33.	43.	34.	Mostly cloudy. S. S.E.
	17.	33.	-36.	21.	{ Snow & Rain in night. & rain N.E. Am. some Am. 1 1/2 inch snow. Fair P.M. N.W.
	18.	13.	27.	14.	Fair, bright, cold. N.W.
	19.	11.	14.	14.	Snow gently from N.E. 4 1/2 inches
	20.	18.	34.	18.	Fair Am. Cloudy P.M. { N.E. N.W.
	21.	12.	34.	34.	Cloudy mostly. S. S.W.
Sunday	22.	33.	34.	22.	Cloudy. N.E.
	23.	22.	24.	12.	{ Snow and hail all night. N.E. Snow gently most of day. S.W.
	24.	3.	19.	8.	Fair, bright & cold. N.W.
	25.	0.	20.	20.	Fair mostly Am. Cloudy P.M. S.
	26.	24.	34.	24.	Cloudy Am. Fair 2/3 of P.M. S.W. & W.
	27.	17.	40.	24.	2/3 fair 1/3 cloudy. S.W.
	28.	15.	31.	24.	Cloudy S.E. N.W.
Sunday	29.	18.	27.	16.	{ Snow storm during night, morning. Day cloudy. S.W. N.E.
	30.	10 below 0.	19.	4 below 0.	Fair & bright. N.E.
	31.	12 below 0.	13.	9.	Mostly cloudy N.E. & E.

598. 969 714

Temperature

At sunrise 19 ⁹/₃₁ } Average 24 ¹⁴⁹/₉₃.
 At 10 m. 31 ⁸/₃₁
 At 9 P.M. 23 ¹/₃₁

December was mostly cloudy, with several snow storms. Not so cold as some Decembers. Very severe at the close. Good sleighing since the 19th, but too much snow, now, for convenience.

December 1850.

Sunday 1. A meeting A.M. & P.M.
Mr Swift preached A.M. Mr Day P.M.
Still mild, pleasant weather.
No snow to be seen. Streets rather muddy.

Monday 2.

Tuesday 3.

Wednesday 4.

Thursday 5. News of the burning of the
Insane Hospital at Augusta, Maine, not far
from my children; and the awful destruction
of some of the poor maniacs. The fire took place
yesterday, A.M.

Friday 6

Saturday 7.

Sunday 8 Mr Swift A.M. & P.M.
Some sleighs out. Sleighing not good.

Monday 9

Tuesday 10

Wednesday 11

Thursday 12

Friday 13

Saturday 14. Frances & children in

Sunday 15. Mr Swift A.M. & P.M.

Very few sleighs out. most had waggons.

Monday 16.

Tuesday 17. S. Edwards 120 feet wood.

Wednesday 18.

Thursday 19. Snowy day.

Friday 20. Fine sleighing.
About 5 inches, or 5½ inches snow, old & new.

Saturday 21. — Package by Express to C. Parkman
Rev. Eleazar Williams in town — supposed des-
cendant of Eunice Williams. I visited him
at the Mansion House — was acquainted
with him in my younger years. He lives
near Green Bay. Supposed by some to be
the Dauphin, or son of Louis XVI.

Sunday 22. Mr Root of Winstburgh preached.
A fair preacher. — Fine sleighing.

Monday 23. Snowy day & last night
about 9 inches fell — in all about 13 or 14 inches
snow on the ground. P.S. Much more in Western N.Y.

Tuesday 24. Fine sleighing the
latter part of the day.

Eleazar Williams came again this P.M.

Wednesday 25. Williams went over the River.
A fair of the Congregational Societies, Orthodox & Unitarian,
at the Town Hall, last evening & today.

December 1850.

Letters Written. (Cont from Nov. 17.)

- Dec. 21. One to Chauncy Parkman, son.
23. One to Rev. J. P. Warren, Hamden, Conn. 2 sheets.
24 One from self to one from wife to Brooklyn children.
24 One to Miss F. M. Caultkins, N. London.
25 One to daughter Peninnah, Augusta. Self & wife.
1851. Jan. 2. One to son Hopkine, N. York.
9 one to Rev. J. P. Warren, Hamden, Conn.
10 one to son Hopkine, N. York.
11 one to John F. Judd, Hartford.
13. One to Rev. L. H. C. Water, Hartford.
13 One to L. H. Redfield Esq., Syracuse, N. Y.
16 One to Miss F. M. Caultkins, N. London. 2 sheets 146.
16 One to Deane W. Collins, Hartford.
16 One to Hiram Judd, Esq. Bethel P.O. Conn.
16 One to E. J. Judd (son of Hiram) Watertown, Conn.
17 One to L. H. Redfield, Esq. Syracuse.
17 One to Librarian of Harvard College.
17 One to son J. W. New York.
20 One to son J. W. New York about Apphia.
21. one to Nathaniel Godwin, Esq. Hartford.
21 one to Rev. S. Wash. Essex, Conn.
22 One to daughter Peninnah, Augusta Maine.
26 one to Hon. John Wentworth, N. York.
31 one to Rev. S. Wash; one to J. F. Judd Hartford.

[Cont. under Feb.]
1851.

Thursday 26. Sleight very plenty, and sleds.

Friday 27.

Saturday 28. S. Edwards 137 feet wood.

Sunday 29. Snowed last night & this morning about 5 inches. There is now about 18 inches of snow on the ground. I did not go to meeting.

Monday 30.

Tuesday 31. S. Edwards 106 feet wood.

Frances' Interest.

Isaac C. Sheldon owed her \$19.50. Dec. 18, for 6 months interest on his note to her. He gave me his note for \$19.50. Dec. 28. I have paid Frances as follows:—

June 24. 1850. I paid her taxes	4.65
" 26 " I lent her	10.00
Dec. 14 " I paid for 24 lbs flour	0.94
Jan 2 1851 I paid Arnold's acct. vs Hall,	2.06
Feb 4. 1851. I paid Frances	1.85
	<hr/> 19.50

Hopkine sent 5 dollars to Frances, Jan. 10. 1851.

(December 1850.

Expenditures, &c. for 1850.

Wood, used $7\frac{3}{4}$ cords at 3.50.	27.13.
Sawing at 14¢ cord; some splitting &c.	6.75.
Sugar, 87 pounds, average $7\frac{3}{4}$ cents.	6.74.
Molasses, $5\frac{1}{2}$ Gallons, " @ 40¢	2.20.
Tea (black) 4 pounds, " @ 62¢; but 42¢.	2.09.
Coffee, ground, 12 pounds " @ 18¢	2.25.
Oil, best, 5 Gallons " @ 1.44.	7.20.
Cheese 40 pounds " @ 10¢	4.00.
Butter 37 pounds " @ $18\frac{1}{2}$ ¢	6.84.
Milk 175 quarts " @ 4¢	7.00.
Lard 19 pounds " @ 11¢	2.09.
Potatoes 3 bushels " @ $66\frac{2}{3}$ ¢	2.00.
Apples (new) $5\frac{1}{2}$ bushels " @ 75¢	4.13.
Soap 25 pounds " @ $6\frac{1}{2}$ ¢	1.62.
Sweet potatoes 36¢ Washing fluid 30¢	0.66.
	<hr/> 82.70

Flour and Meal.

11½ 18 ^{lb} bbl. in bag 8 = 1½ bbl. wanting 116. at 91 ^{cts} per 8th. } 10.47	
for 2.82 lbs. in all; all extra - at best 37¢ @ 3 }	
26 lbs. Indian meal at 2¢	0.52.
63 lbs. Graham meal @ $3\frac{1}{3}$ ¢	2.17.
69 lbs. Buckwheat Flour @ 3¢	2.07.
144 lbs. Cracked wheat @ $3\frac{1}{2}$ ¢	0.49.
Meal & crackers	1.25.
456.	<hr/> 16.97

Meat and Fish.

25 lbs shear pork @ 9¢	2.25.
18½ lbs fresh pork @ $8\frac{1}{2}$ ¢	1.57.
15½ lbs Veal (3 to 7 cts.) @ 5¢	0.78.
38 lbs Beef (5 to 10 cts.) @ 7¢	4.06.
4 lbs Lamb @ 8¢	0.32.
7 lbs Sausages @ 11¢	0.77.
7½ lbs Flour @ 12¢	0.90.
15½ lbs Codfish, fresh & salt @ 4¢	0.62.
say 8 lbs. Shad, 3 small ones @ 20¢	0.60.
159	<hr/> 11.87

\$111.54.

Expenses at home are less than usual, the past year; I & wife were absent almost 3 months and Peninnah has been gone since early in May.

January 4 1851

(Page of Catalogues, Wood, &c. for 1851)

Wood - on hand $\frac{1}{2}$ to $\frac{2}{3}$ of a cord of old wood,
after deducting enough to balance new wood
burnt - say $\frac{1}{2}$ cord left.

after deducting enough to ~~burnt~~ ^{burnt} - saw $\frac{1}{2}$ cord left. feet.
New Wood of S. Edwards in Dec. 3 loads. 120, 137, 106
do. in Jan. & Feb. 4 loads 120, 130, 143, 153 ft.

do - do of do in Jan. & Feb. 4 loads 120. 130. 143. 155 ft.
[Settled Aug. 5. 1851. 130 feet Oct. 24 1851. 123 feet Nov. 20. 7 cords 13 feet.

Sugar. ^{D^r} Jan. 2. 11¹/₂ 6¹/₂ paid. 5¹/₄ 3¹/₂ paid. ^{D^r} 12¹/₄ 6¹/₂ H. ^{Apr. 24} 12¹/₂ 6¹/₂ H. ^{D^r} 13¹/₂ May 30 P.
^{D^r} 3¹/₂ Lo of S.C.P. 13¹/₂ S.C.P. July 13. + 13¹/₂ Aug. 14. 5¹/₄ Lo of S.C.P. 11¹/₂ H. Sept. 9. + 11¹/₂ S.C.P.
 13¹/₂ ^{D^r} H. Oct 28. 15¹/₂ H. Nov. + 5¹/₄ H.

Molasses on hand 2 qts. 1 G. Feb 28. pd. 1 G. May 16. S.G.P. 1 G. S.G.P. Sept 8.
1 G. H. Nov. 3. 1 G. Dec. 6. paid

Tea - on hand blk + green 1 lb. (given) Feb. 13. 1/2 lb. d. 19 lb.
 June 7. 1/2 lb. S.H.P. - 1 lb. H. July 7. 1 lb. S.H.P. 1 lb. Dec 6. H.

Coffee, on board $\frac{1}{2}$ lb. $\frac{18}{H}$. 2. 2. 2. 2. 2. 1. 1. 2. Aug. $\frac{15}{H}$. 2. $\frac{15}{H}$. 2. $\frac{15}{H}$. 1. $\frac{15}{H}$.
4th Nov. 24.

Oil - on hand 1 quart. 2 qts Jan. 16. 2 qts paid Feb. 8. 1 gal. / pd. Mar. 8
 1 gal. H. May 15. 1 gal. H. Aug. 16. 1 q. Oct. 15. 1 q. Nov. H. 94 c.
 1 gal. H. Dec 23.

Flour & Meal. Wheat flour on hand '8. or 24½ lbs.
Jan'y 49 lbs. 1.87 March 49 lbs. 1.87 May 1, 24½ lbs. Dr. 94. 26 or 8. 10 or 1.00 May 27, 1860
July 3, 149 lbs. 1.69 Aug 14, 24½ lbs. .88 Sept 10, 44½ lbs. on 1.69 O. + 17. 149½ lbs. 1.69 Jan 28
Nov 22, 1 lb. flour 8¢ 25 Buckwheat 7 lbs. 7. 8³/₃
Indian on hand 2 lbs. 5.3. Graham bought 10 lbs 10½ lbs - 10½ 10. 8. 10.

Meat on hand salt pork 16 lbs. 32¹/₂ Fresh. 8¹/₂
 Beef 17¹/₂ lbs. 2⁵/₈ 4¹/₂ 4¹/₂ 2¹/₄ 5¹/₈ 8¹/₂ 10¹/₂ 4¹/₂ Lamb 7¹/₄ 4¹/₂ 6¹/₂ 3¹/₂.
 Sausages 2 lbs. 1¹/₂ 2¹/₂ Ham 11 lbs. 8¹/₂
 Fresh Pork 7¹/₂ Dry Codfish 1¹/₂ lbs. 3¹/₄ 7¹/₂ lbs.
 1 shad 25¹/₂ mackerel 13
 3 lbs Salmon 9¹/₂ 3 lbs.

Butter on hand 3 lbs. 4 Dr from maine. $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{4}$, .1, $1\frac{1}{2}$, $2\frac{1}{2}$
 $\frac{1}{16}$ Aug. 19. $1\frac{3}{4}$ K. $\frac{3}{4}$. 3lbs. 20c. 2. $2\frac{1}{4}$. 2 $2\frac{1}{2}$ 5 $2\frac{1}{2}$ 2. 2 $1\frac{1}{2}$

land - on hand 4 lbs. 10 dr 7/6 May 14. 10 4/10 > 1.28 Oct. 9.
5 1/2 dr 12 1/2. Dec. 30.

Cheese Bought ¹⁰2¹⁰lb. 2¹⁰. 3¹⁰. 2¹⁰. 3¹⁰. 4¹⁰. 2¹⁰. 2¹⁰ $\frac{1}{2}$. 1¹⁰ $\frac{1}{2}$. 2¹⁰ $\frac{1}{2}$. 1¹¹ $\frac{1}{2}$. 2¹¹. 4¹⁰ $\frac{1}{2}$
2¹⁰ Aug. 1¹⁰ $\frac{1}{2}$ lbs. 1¹⁰ $\frac{1}{2}$ 2¹⁰. 2¹⁰. 1¹⁰. 2¹⁰. 2¹⁰ $\frac{1}{2}$. 4¹⁰. 2¹⁰

Soap on hand 40 bars, 61 lbs.
Washing fluid. 10°. 10°. 12°. 10°. 12°. Soap 12°. Powder 13°. 13. 13.

Potatoes. $\frac{1}{4}$ bush. $\frac{3}{8}$, $\frac{1}{4}$. $\frac{1}{4}$ S. & = new $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{4}$ 5.1
 Sweet to 17. 21. 10^c 16. 11

Apples - on hand 4 bushels. $\frac{1}{2}$ bushel 63. Lasted till June
spring dried apples 5^{cts} 55 ^{Others} Aug. 8^{cts} 8^{cts} Oct. 17^{cts} 6^{cts}, $\frac{5}{4}$ bushels

Eggs - bought 1 doz. 2, 5. 1/4 - small 22 doz at 9¢ 2.75.

January 1851.

Money Matters.

Receipts.

Wednesday 1. E. Williams & J. D. Whitney paid their note dated Jan. 17. 1850. \$550. + Interest at 5 percent. \$26.28	576.28
Dividend of Greenfield Bank in October (deposits incl. H.B.)	60.00
Dividend of Northampton Bank in Oct. taken to day.	45.00
Received of S. C. Parsons (see August money acc't.)	25.00
	<u>\$706.28</u>
Jan 2. Balance of acct or Cash on hand.	33.81
10 Dividend on Boston & P.W. Rail Road shares 3.	30.00
10 Received from Hopkin on his note	45.00
Feb 15. Money to services 15. 50. 25	1.00
27 of Ephraim Ford. Interest on his note	36.00
	<u>\$145.81</u>

Expenditures.

Jan 1. Sent brother Johnson Nov. 16. 1850 (from Greenfield Div.)	50.00
Jan 1. Sent S. C. Parsons, his father endorser, on 6mo.	600.00
1 Paid my bill to Hillyer & Wood	12.28
1 Paid account of Stoddard & Lathrop	1.08
1 Paid account at H & B's Bookstore.	0.68
1. Postage of Evangelist box at Post Office 32. Almanack 6.	0.38
1. Paid Coats for sawing almost 2 cords of wood	1.30
1. Mrs Shepard's milk bill, 166 ¹ / ₂ pnts at 2 cts since June 3. 1850. New acct begins Jan. 2.	3.33
1. Wipe 5. Cheese 20. Postage 6. 11 ¹ / ₂ lbs Sugar 1.00	1.31
2 Paid Bill of Mr. Arnold vs Hull's estate (charged to Frances)	2.06
2 Wafers 5. — Cash on hand \$33.81	33.86
	<u>\$706.28</u>
2. Sausages 22. Postage 5.5 British Rustic 6	0.38
3 Tribunes 6. 1 lb Coffee 18. 17 ¹ / ₂ lbs beef 1.23	1.47
8 Dr Walker's bill for last year 2.62. Postage 5.	2.67
10 Postage 10.5. \$ 10.5. 3.5. 20. 20. Tribunes &c 8. Postage 10.5.5.	1.14
10 Sent ticket to pay for Evangelist for 1851	2.00
14 Mrs Salisbury, Washing 50. Cheese 18. Crackers 10.	0.78
18 Swifts bill for mending boots last spring 80.	0.80
18 Let Mr Shepard have \$60 + took his note	60.00
22. Graham flour 33. Mending teapettle 8. Tribunes 3.	0.44
23 Coffee 18. Pies 10. Washing fluid 10. Cheese 30.	0.68
Postage 8. Sawing wood 63. Potatoes 7. Gift 25	1.10
31 Flour 4 qrs of Mr Tolson & Burr. some days since, paid today	1.87
31. Colporteurs 25. Postage 10.	35
	<u>73.68</u>
Feb 1. Mending Shoes 15. Tribunes &c 8. Potatoes 21.	0.44
4. 7 ¹ / ₂ lbs Beef 65. Paid Frances a balance (in Dec 31) 1.85	2.50
Stage for Frances & ch. 20. paid Frances 15	38.00
5. Coats, sawing wood 1.12. Tribunes 6. Snuff & Coffee 25.	1.73
5. Horse & stage to Benningville 50. Sawing wood 83.	1.33
7 Sent brother Johnson \$5. 2 qts oil 75	5.75
13. Tea 31. Cheese 22. Beans 25. Postage 10.	0.88
15 Candy 8. Postage 15. Tribunes &c 6. Coffee 18	0.53
26 Cheese 33. Postage 18. Molasses 40.	1.01
Sausages 15. Contribution 10. Sugar 50.	3.75
Washing Feb 11. 50. Sunds 7.	57
March 1 To new account	56.26
	<u>\$145.81</u>

January, 1851.

Thermometer.

Wednesday		Sunrise. 1 P.M. 9 P.M.			
Jan. 1.	5	21	32	28	Mostly Fair. N.W. and W.
2	5	26	16		$\frac{2}{3}$ cloudy. N.W. and W.
3	20	27	14		$\frac{2}{3}$ Fair. N.E.
4	11	20	9		Cloudy. Snowed 2 inches. N.E.
Friday 5.	7	below 0: 22.	22		$\frac{2}{3}$ cloudy, $\frac{1}{3}$ fair S.W. S.E.
6.	22.	41	25.		$\frac{2}{3}$ cloudy Thawing. Southwily.
7.	25.	31.	11		Cloudy, mostly. N.E.
8.	10	below 0: 22.	8.		Fair & bright N.E.
9.	14.	24.	29.		Cloudy N.E.
10	31	44.	36.		$\frac{2}{3}$ Cloudy. Thawing. N.W. S.W.
11.	35	43.	33.		$\frac{2}{3}$ cloudy. Thawing. N.W. S.W.
Sunday 12.	25.	40.	28		$\frac{2}{3}$ cloudy. Thawing some. S.W. S.
13.	25.	40.	36		mostly fair. Thawing some. S.W. N.W.
14.	30.	40.	36.		$\frac{1}{2}$ fair. Thawing some. S.W.
15.	32.	46	35.		Sunshine with haze. Thawing. S.
16.	27.	45.	35.		Sunshine with haze. Thawing. N.E.
17.	33.	38	31.		Cloudy, some drizzle. Thawing some.
18	18.	25	13.		Fair & cold N.W.
Sunday 19.	2	below 0: 21.	12.		Fair & cold N.E. & Southwily.
20.	16.	32.	25		Cloudy. Snow 1/2 in. N.E. in A.M. & S.W. P.M.
21.	23.	35	23		Fair & bright N.W.
22.	21	26.	24.		Cloudy. Snow 1/2 in. N.W.
23.	24.	44	26.		Fair. Some haze. Thawing. W.
24.	10.	41.	34		Fair. Some haze. Thawing. S.W.
25.	26.	38	31.		Fair mostly. Thawing some. S.W. - S.E.
Sunday 26.	26.	50.	39.		Sunshine with haze Thawing. S. & W.
27.	27	35.	20		Sunshine with haze. N.E.
28.	16.	28.	24.		Cloudy N.E.
29.	32	32	8.		{ Snowed some in night. Rained some A.M. pt Fair P.M. N.E. - N.W.
30.	1.	5.	0		Fair & bright. Windy. N.W.
31	1	below 0: 12.	1.		Fair & bright N.W.
		576.	1005.	712	

Temperature

At sunrise	18 $\frac{18}{31}$	} Average 24 $\frac{61}{93}$.
At 1 P.M.	32 $\frac{13}{31}$	
At 9 P.M.	22 $\frac{30}{31}$	

The month has not been very severe, though some severe days especially the two last. It was thawing on 12 day & the sleighing has been good all the month.

January 1851.

Wednesday 1. The year begins with about 18 inches of snow on the ground, and sleighs running briskly. perhaps 20 inches.

Frances and children here P.M.

Elijah Rust of Monroe County, N.Y. here P.M.

Thursday 2.

Friday 3. Brother Matthews wife and daughters here P.M.

Side Complaint. I felt the old trouble very sensibly today, though not very painful. I have hardly felt it before ~~since~~ since I was in Maine in July. Why it comes on now I do not know. In right side.

Saturday 4.

Sunday 5. Mr. Swift preached.

Monday 6.

Tuesday 7.

Wednesday 8.

Deep snow & good sleighing continue. The opinions of people about the depth of snow differ much. Some say there is two feet of snow; others think there is only 15 or 16 inches. I am confident there is a depth of 18 inches on a level, & perhaps 20.

Snow is said to be $3\frac{1}{2}$ feet deep at Auburn and some other places in Western New York, and 4 feet at Ogdensburg, in Northern New York. There is but little at New York, New Haven, & New London.

A man who got a load of wood from Mount Tom yesterday, from the peak north of the barn or N.E. of it, thinks the snow is not 18 inches deep on the mountain. He says he hears blue jays & crows on the mountain & sees the tracks of rabbits, foxes, and of one wild Turkey.

Burning Gas from Water. The subject of procuring light and heat and power from water now excites much attention. We have not only Mr. Payre's discovery in this country, but a similar one from France. What will grow out of these things, I shall not undertake to predict.

Thursday 9.

Friday 10.

Saturday 11

Sunday 12. Mr. Laurie of S. Hadley preached.

January 1851

Monday 13.

Tuesday 14. Brother Matthews & Irene here.

Wednesday 15.

Thursday 16.

Friday 17.

Saturday 18. It is again cold after 8 thawing moderate days. The snow has settled considerably but not much has run away in water. The thaw has been very gentle - not a real January Thaw. A heavy body of snow remains - no bare ground. Streams have received no great accession of water. There has been no breaking up, in this vicinity.

Sunday 19. At Swift Assn.
Chas Warner Jr. P.M.

Monday 20.

I notice this winter more than usual, cold weather with the wind southerly, and thawing weather with the wind N.W.

Town meeting to choose Member of Congress.

Tuesday 21

Wednesday 22

Thursday 23

Friday 24

Saturday 25.

Sunday 26. Golporter Agent Assn.
David Stoddard P.M.

Warmest day this winter. Considerable water in the streets.

Monday 27. S. Edwards 120 feet wood

Tuesday 28. } Silas Judd, grandson of Silas
Judd. Esq. was here this week.

Wednesday 29.

Thursday 30. S. Edwards 130 feet wood

An extremely cold day - Thermometer only 5 above 0 at 1 P.M. with a bright sun and no clouds. Thermometer at 0 at sunset, and the same at 9.

Fine sleighing.

Friday 31. Cold day.

In the evening daughter Apphia & sister Arthur & came from Brooklyn N.Y. - came in about 7 hours. Apphia has been at Dr. J. Walker's in Brooklyn five months, under the care of Doc. Powers; is better.

February 1851.

Thermometer

Saturday	Sunrise 1 P.M. 9 P.M.			Weather	Wind
	8 below 0	19.	11.		
Sund 2	23	36	31.	Cloudy. Snow $\frac{3}{4}$ inch.	N.E.: S.E.
3	26	40.	25.	Fair. Thawing.	S.W.
4	13.	41	32	Mostly Fair: Thawing.	Variable
5	31.	41	35.	Cloudy Thawing.	S.W. and S.
6	24	24.	8.	Mostly cloudy. Snow $\frac{1}{2}$ inch.	N.W.
7	5 below 0	18	- 12.	pt Cloudy. pt Fair	N.E.
8	0.	9.	5.	Fair $\frac{2}{3}$ cold. Cloudy $\frac{1}{3}$.	N.E.
9	5	12	17.	Cloudy. Cold. Little Snow.	N.E.
10	23.	35	44.	Rainy Day.	N.E.
11	39	45.	25.	Cloudy A.M. Pt. Fair P.M.	S.W.
12	10.	33.	17	Fair	N.W.
13	7.	36.	31.	Fair A.M. Hazy P.M.	N.W.
14	36.	40.	37	Cloudy. Thawing. Some sprinkling.	S.W.
15	37.	51.	42.	Rainy and drizzly. Thawing	S.W. & S.
Sund 16	36.	35.	24.	Cloudy A.M. Fair P.M.	S.W.
17	17.	35.	24	Fair & bright	N.W.
18	27.	41.	28	Fair. Thawing.	N.W.
19	44.	38.	28.	Fair. Thawing.	N.E. S.W.
20	25.	38	37	Cloudy. Drizzly	S.W.
21	35.	38.	35	Rainy all day	N.E.
22	34.	44.	40	Mostly Fair. Thawing.	N.E. S.W. & S.
Sund 23	31.	50.	33.	Fair. Thawing.	N.E.
24	33.	42.	37.	Cloudy. Rainy P.M.	N.E.
25	33.	40.	30.	Fair	N.W.
26	23.	42.	32	Fair $\frac{2}{3}$. Cloudy last $\frac{1}{3}$.	N.E.
27	32.	44.	40.	Mostly Cloudy.	S.W. S.
28	36.	40.	33	Rainy A.M. Cloudy P.M.	S.W. N.W.
637			1007	793	

Temperature

At sunrise $22\frac{2}{8}$
 At 1 P.M. $35\frac{2}{8}$
 At 9 P.M. $28\frac{2}{8}$ } Average $29\frac{1}{8}$

A moderate February. Good sleighing the first half of the month. January & February very near as last year, but much milder than 1849. We have had but little high wind this winter - not much drifting of snow. Good sleighing from Dec. 19. to Feb 14.

Cutting down the forests & conveying logs to mills has continued through the winter, as in winters past. But the proportion of small logs increases every year. The greater part are white pine.

February 1851.

Saturday 1. S. Edwards 143 feet wood.
The month begins with a solid body of snow on the
ground, and fine sleighing, and cold weather.

Sunday 2. I did not go to meeting.
Frances and children came in P.M.

Monday 3.
Arthursa left us for Brooklyn, this morning.

Tuesday 4. Frances & Children went home P.M.
Son Joseph H. Williams came in evening.

Wednesday 5.
Rode out with son Joseph H.W. and Apphia to see
Frances, P.M.

Thursday 6. S. Edwards 153 feet wood.
Joseph H. Williams & Apphia started for Boston and
Augusta this morning.

Friday 7. Brother Johnson & Drusilla here.

Saturday 8. Wrote short article for Gazette about Elihu Williams.

Sunday 9. Cold. I did not go to meeting.

Monday 10. Wams' barn burnt in evening, burning

Tuesday 11. Brother Matthews wife in.

Wednesday 12. Still good sleighing

Thursday 13

Friday 14

Saturday 15. Sleighing not so good. Some bare ground.

Sunday 16. Mr. Swift preached A.M. & P.M.

Monday 17

Tuesday 18. Sleighing getting poor - very poor
east side of river. Snow almost
gone at Ware & Greenwich.

Wednesday 19. Sister Lyman came at night.

Thursday 20. " " went home. Temp. Meeting.

Nephew George Lyman came.

Friday 21. He went away. Rainy

Saturday 22. Sleighing at an end.

Sunday 23. Mr. Swift A.M. & P.M.

Many Waggons out. Very few sleighs.

Streams are high. Bees out to day. Muddy.

Monday 24.

Ice is piled up on the river near the Honey Pot
and the water is high in Hatfield, in lower end of street.

Boat went through from N. York to Albany, first one
on Monday & Tuesday.

Tuesday 25.

The Ice dam gave way & went down the river. Did
some damage to Rail road near old Canal-Dam.

Wednesday 26. Mrs. Birge & Frances & children here.

Dear son Hall died one year ago this day.

Thursday 27

Friday 28.

The Pond at Holyoke is still covered with ice or
was yesterday.

February 1851

Letters written. [Cont. from Dec. 25.]

- Feb 6. To Simon L. Hobbs, Boston, in reply, about an Indian name.
 Feb 24. To Editor of N.Y. Evangelist, pointing out some gross anarch-
 renisms, in Abbott's Josephine.
 24 To daughter Apphia, at Augusta.
 27 To Rev. Dr. Field, Hingham, Con.
 28 To Hon Jesse Olney, Southington, Con.
 28 To Rev Lyman H. Atwater, Fairfield, Con.

March 1851.

1. To Milton Judd Esq. Monterey, Mass.
 1 To Alfred Judd. Willoughby, Lake Co. Ohio
 8 To Nathaniel Goodwin Esq. Hartford.
 7+10. To Rev Sylvester Nash, Essex, Conn.
 19 To Hon John Wentworth
 24 To decm. Peninnah at Augusta.

April 1851

- 13 To Children at Augusta. P.O. April 14. 10 mit.
 14 To Nathaniel Goodwin Esq. Hartford.
 14 To J. M. Phelps, New York, in reply to his April 5.
 15. To Hon Seth P. Beers, Litchfield Conn.
 18 To Thomas D. Boardman, Hartford Conn.
 18. To Rev S. Nash. Essex, Con.
 22. To Hon John Wentworth, Troy, N.Y.
 22 To Nathaniel Goodwin Esq.
 28. Completed 3 sheets for L. M. Boltwood, Amherst
 28. To Avery Judd Skilton, Troy, N.Y. ^(sent by Mr. Cutler.)

May 1851

6. To Children at Augusta
 7 To son J. Walker at N.York. \$5. mit
 7 To Avery J. Skilton, Troy.
 16 To Port. A. J. Skilton Troy.
 25 To Children at Augusta.
 29 To John F. Judd. Hartford
 29 To son G. Parkman. Reading.

June 1851

- 7 To Children in N.York
 7 To Ed. Springfield Republican.
 13. To Children in N.York.
 14. To Dr A. J. Skilton, Troy.
 24 To Children at Augusta.
 26 To James Savage Esq. Lunenburg, 3 sheets, dated 24.
 28 To son James, W. Judd. N.York.

July 1851.

- 1 To Miss F. M. Caulkins, N. London, 3 sheets
 2 To son J. W. Judd. N.York. with permiss of At. for R. Road Division.
 4. To Peninnah at Augusta.
 5. To son J. W. Judd. N.Y. enclosing draft for \$14
 15 To Children at Augusta.
 18 To son J. W. N.York.
 18 To Rev A. J. Skilton, Troy, N.Y.
 21. To Rev Jos. B. Felt, Boston, with 3 dollars, &c. paid. No 22d
 29. To Nathl. Goodwin Esq. Hartford.
 30. To L. M. Boltwood, Amherst
 31 To H. O. Sheldon, Berea, Ohio
 Aug 1. To daughter Frances, at Wrentham, Con.

[Cont. under Aug. 5.]

March 1851.

Money Matters

Receipts.

		\$
March 1.	On hand, balance of acct. under January,	36.26
6.	Friswiler 25. 25. 10	60
April 2.	Of brother Matthews for same price for him in 1850.	38
April 8.	Dividend on 10 shares N.H. bank	45.00
10.	Dividend on 15 shares Greenfield bank	60.00
10.	Shepard paid 60 th borrowed on 18. & Int. 82.	60.82
17.	Interest on brother Hall's note 1 year 12 th	223.06
5.5.35-July 18.	Brother Johnson paid his note & interest	18.00
28.	Isaac Sheldon, his note & interest 19.50. & Int. 40	41.50.
30.	of son J. Walker \$10. <small>received due 31st</small>	19.90.
May 1.	of Col. E. Edwards, interest 15 th	25.00
26.	of E. J. Gilman, S. Hadley interest on note	12.30
		<u>\$ 389.76</u>

Expenditures.

March 1.	Borrow's "Lawangro" (no great affair)	0.25.
3.	Tacks 8 ^c . Postage 16 ^c . Tribune 3. Postage 5 ^c Eggs 13.	0.45
6.	Tribune 3. 1 year's subscription to Institute Oct 72.	2.03
8.	1 Gal. Sperm Oil 1.50. Postage 8. Tribune 3. Quills 10 ^c	1.70
11.	Postage &c 8 ^c . Washing 30 ^c . Sausages 22. Coffee 18.	2.98
15.	Bristol Brick 10 ^c . Lent bro. Johnson	35.10
17.	Postage 7 ^c . 2 doz Eggs 25. book by Express 25.	0.57.
19.	Tribune 3. Postage 8. Cheese 40. Postage 6 ^c 5.	0.63
21.	Paid Mr. Swift for shoes made in January \$2.00	2.00
27.	Paid Mr. Shepard for milk from Jan. 2 to March 24. 50 qts.	2.50
	<small>(Began to have milk of Mr. Bliss, March 24.)</small>	
27.	Courier to April 1. 1851. \$2.00. Snuff 8 ^c . Fluid 10 ^c	2.18
27.	Flour of Macintire (some days since) 18 ^c . Crackers 9.	1.96
April 1.	Postage, in Evangelist box 32. Letter 5 ^c	49.86
3.	Tea &c 7 ^c . Coffee 18 ^c . binding 2 Vols of Register 84 ^c	1.37
4.	Sundries 3 ^c . Beef 4 ^c . Postage 6 ^c . do. 5 ^c . Sundries 9 ^c	1.02
12.	14 doz Eggs of Mrs. Salisbury \$1.75.	0.34
10.	Paid Mr. Shepard for house rent a year.	1.75
10.	Paid " " for fire rent a year to Nov. 1. 1850.	80.00
8.	Lent Mr. Shepard & took note, (besides the 200 dollars lent him April 1.)	5.00
12.	Dried apples 5 ^c doz 55 ^c . Sundries 3	26.00
	(Balance 58.07)	58
14.	Sent to Peninnah \$10. 11 lbs. ham at 9 ^c . 1.38 ^c	16.49
16.	Cheese 22. Coffee 18. Postage &c 7. 5 ^c 55. Salt 7 ^c	11.38
18.	Pork of Thayer 32 nd at 10 ^c . 3.25. 6 ^c at 9 ^c	0.64
22.	Envelopes 8. Postage 8 ^c . Beans 6 ^c . Crackers 11.	3.34
25.	Sink 40 ^c . Soap 6 ^c . Paint 20 ^c . Potatoes 19.	0.34
26.	Graham meal 10 th 38 ^c . Postage &c 5 ^c 5.2	0.85
28.	Lent to Col. Shepard \$100	0.50
28.	Paid Kingsley for Coat \$14.44. for Vest (Grand pattern) 175.	100.00
28.	Paid Mr. Tyler for H. G. Register for 1851.	16.19
29.	Hampshire Gazette for 1849 & 1850	2.00
"	Co. Co. for Sylvester for year ending Aug 27. 51.	3.00
"	Paid Sikes for jobs 18 ^c . Coffee 18 ^c . Washing fluid 12	1.50
May 1.	Sundries 7 ^c . Postage 5. 18. Wife 25. Cheese 22. Postage	0.48
	Interest to bro. Matthews on my note to him.	305.26
7.	Sent to Arctura (by J.W.) today for wife's shawl	3.76
8.	Butter 17 ^c . Cheese 17. G. seeds 6 ^c . moving stove 10	3.00
12.	Mr. Durant. Gardening 1 day or rather digging	0.50
13.	Marriage 6 ^c . Lard 10 th 25. Mc Intire flour 2 weeks ago 94.	1.25
16.	Postage 5.5. Coffee 18 ^c . Snuff 8 ^c . Butter 10 ^c . Wife 33. Crackers 17.	2.25
21.	Bread 6. Fluid 10. Buckwheat 21. Marriage 6 ^c . Butter 17.	0.96
22.	See mending line 20 ^c . Labor 10 ^c . Paper 80 ^c . Beans of bro. Pearson 50.	0.60
27.	Paid Danvers negro for flour \$7.00. Postage 10. Cheese 16 ^c .	1.60
30.	Paid Strong for horse carriage to W. T. 1.25. omitted 22 nd	1.25
June 1.	Balance to new account 65.85	67.32
		<u>\$ 2389.76</u>

March 1857

Thermometer.

Saturday, Sunrise. 1 P.M. 9 P.M.					
1	20.	32.	28.	Fair.	N.W. and S.W.
Sund 2	28.	42.	35.	Cloudy.	S.W.
3.	30.	31.	24.	mostly Fair	N.W.
4.	24.	38.	36.	$\frac{2}{3}$ cloudy.	S.W.
5.	36.	56.	40.	$\frac{2}{3}$ Fair	S.W.
6.	34.	54.	32.	mostly cloudy.	S.W. N.W.
7.	28.	41.	32.	Cloudy	N.E. S.E.
8.	28.	40.	28.	Snow 3 inches A.M. Some snow P.M. and in night, 2 or 3 inches	N.E.
Sund 9.	25.	41.	21.	$\frac{1}{3}$ Cloudy. pt Fair	N.W.
10.	21.	47.	33.	$\frac{2}{3}$ Fair.	Various
11.	22.	48.	42.	Sunshine, haze & clouds.	S.W.
12.	32.	36.	27.	Fair & pleasant, cool.	N.W.
13.	21.	36.	27.	Snowy - 2 inches. Cloudy.	N.E. E
14.	13.	32.	26.	Fair mostly.	N.E. S.
15.	31.	52.	46.	Sunshine, haze, clouds.	Southw.
Sund 16.	39.	32.	28.	Cloudy. Windy.	N.E.
17.	26.	32.	31.	Snowy 1 inch. Windy.	N.E.
18.	26.	34.	31.	Snowy A.M. Fair. Windy.	N.E.
19.	30.	36.	33.	Cloudy.	N.W.
20.	32.	41.	32.	Mostly cloudy.	N.W.
21.	32.	45.	36.	Fair.	N.W.
22.	31.	54.	37.	Fair & Pleasant.	N.W.
Sund 23.	26.	58.	44.	$\frac{2}{3}$ Fair	S. S.W.
24.	33.	54.	46.	Snow 1 inch in night. Day mostly Fair after 8	S.W. N.W.
25.	33.	42.	29.	Fair. Windy.	Northerly.
26.	19.	52.	36.	Fair. Windy.	N.W. S.W. S.
27.	34.	65.	59.	Sunshine & haze.	S.
28.	51.	58.	38.	Fair A.M. Cloudy, hazy P.M.	N.W.
29.	27.	56.	38.	Fair.	N.E. mostly S.W.
Sund 30.	29.	64.	52.	Fair A.M. Cloudy P.M.	S.W.
31.	50.	75.	50.	Fair $\frac{2}{3}$ warm.	S.W. N.W.
908.7424.1097					

Temperature.

At sunrise	29 $\frac{2}{31}$	} Average 36 $\frac{81}{93}$.
At 1 P.M.	45 $\frac{24}{31}$	
At 9 P.M.	35 $\frac{12}{31}$	

March has been, on the whole, a mild month though with some very disagreeable days. The month has been one degree warmer than March 1849 and almost 4 degrees warmer than March 1850. It has been warmer than most Marches.

March 1851.

Saturday 1.

The month begins with a fair day. Travelling is bad. Much mud and some snow & ice in spots. Many places of ice or hard snow in the roads and lots about the village, though the greater part is bare. But little snow in the meadows. Eastern Hills mostly bare, and Western spotted. Town & Holyoke are quite snowy on the north and northwest sides.

The mud is frozen this morning.

I have seen no spring birds.

Sunday 2. A stranger preached (Medway of Haverhill)

Monday 3

Tuesday 4 At Channery Clarke in Evening.

Wednesday 5. Warmer & springlike.

Bluebirds are plenty to day, or several are about. I have heard none before, but they have been heard by others two or three days past.

Robins not heard. A woman who was at Medway 10 days since or more, heard Robins there.

Thursday 6

Friday 7.

Tulips peeped out of the ground two or three days ago. viz. the end of the leaves.

Bluebirds continue.

Saturday 8.

Sunday 9. Snow fell yesterday, and night preceding & succeeding, 5 or 6 inches. Some of it melted yesterday, & some to day, and some remains. The ground is almost all white at night. Both sleighs & waggon were out. The Holyoke minister preached to day.

Monday 10. Muddy & poshy.

Tuesday 11. Don't do!

Wednesday 12

Thursday 13.

Friday - 14

Saturday 15 Lent brother Johnson \$35. to day and \$5 Feb. 7. Also 50 doll, Nov. 16. 1850. Interest on this \$11. Took a new note for all to day \$91.

Sunday 16. I did not attend meeting.

Monday 17. Town meeting. I did not go. Attended funeral of Merrick Starkweather, an amiable young man, & a fair preacher.

Tuesday 18

Wednesday 19.

The Song sparrow is here and has been two or three days, or more.

Great storm in Boston yesterday & great tide, much damage done

March 1851.

Thursday 20. Muddy streets.

Crows fly over towards the meadow a little before sunrise, & have for months past

Friday 21. Snow mostly gone again.

Robins heard to day by me. They have been in the vicinity some days.

Maple sugar was for sale here about the 14th March.

Maple Molasses has been offered for 10 days past.

Wintergreen berries are gathered.

Mr Gibben has begun to prepare his garden

(Blackbirds) are probably in the meadow; I have seen none

Saturday 22. A pleasant day.

Walked out to see Frances & children A.M.

- very muddy on ^{new} ~~old~~ road. Much better on old road.

Walked into meadow down by Mill River, P.M.

Snow is almost gone from the valley including N.H. Hadley, Amherst, &c. There is some on the eastern hills and more in Belchertown than farther north. Mount Warner is bare.

Westerly Hills have much more snow than eastern but are only partially covered - much bare ground.

Snow is seen in the woods, in this town, & in some fields on spots not exposed to the sun. - Town & Holyoke are white or whitish on the northern sides.

Vegetation.

White Maples are shooting forth their stamens in staminate flowers; did not begin perhaps until yesterday or to day - stamens are white and anthers brown. Pistillate buds not so forward. The trees make some show with their opening buds.

Elms have buds swelled.

White Poplar, have catkins $\frac{3}{4}$ of an inch long.

Some Willows have catkins (light colored) $\frac{1}{2}$ inch long

Willows have catkins $1\frac{1}{2}$ inch long or more; are not yet developed; just begin to become loose and to show the yellow; are mostly reddish brown.

Trailing Arbutus (Epigaea) shows an abundance of flower buds; some show the ends of the petals; will be open in a few days. [Were open before April 1st]

Grass is generally brown; and where it is green it was so when the snow went off. It has hardly started any where - perhaps a little near some buildings.

Rye is greenish - not become greenish this spring.

Button Balls - bark white & clean of many or all.

Willows (the yellow) have the yellow look of spring

Honey Suckle has narrow leaves near $\frac{1}{2}$ inch long.

Forests, deciduous, are grey on Holyoke. On Roberts Hill are grey, and in some places lead color, or slightly purplish.

March 1857

Saturday 22 - Continued.

Logs at Bensonville sawmill (mill is rebuilding)
are small - most are white pine and
chestnut. A few logs of yellow pine,
hemlock, poplar, and oak. The logs
sawed seem to grow less every year.
A few Buttonwood logs.

Bees are out abundantly today.

Daffodils are 3 inches high.
Ranunculus are 1 1/2 inch high.

Sunday 23. At Mr. Bushnell, agent of the Seamen's
Friend Society, preached, A.M. and P.M.

Crows fly over before sunrise this morning as usual.
Birds as in days past - viz. Robins, Bluebirds, Song Sparrows.

Monday 24.

It snowed this morning, & crows went over after sunrise.

Tuesday 25.

Wednesday 26

Blackbirds in the village today. Have been in swarms
before.
Brother Matthews & family move from Easthampton to this
town today.

Thursday 27

The Phebe sings this morning.

The Lark, I think, I hear.

Friday 28.

Saturday 29

Sunday 30 -

Mr. Swift preached A.M. and P.M. His services in each
part of the day were only a few minutes, over an hour - not 10 minutes,
over. I think his services seldom exceed 1 1/4 hour. His
sermons were just half an hour today, or did not vary two minutes
from that.

The meetinghouse is far from being full, but there is a
very numerous congregation.

Monday 31. Warm & pleasant.

March 1857.

Vegetation March 31. Monday.

Flowers.

Cot's foot - there are hundreds of flowers. Have been open, some of them, probably four or five days.

Alder Torque - at Fort Hill. A large number of flowers, in all, though they have but recently begun to flower. Probably begun March 30.

Chickweed - has flowers abundantly.

Violets - blossoms are plenty at Doct. Walker's.

Proculus. Mishepbirds began to flower March 29. I think some elsewhere began March 28. There are various colors.

Alexereon at West's, has many flowers & more buds. May have commenced yesterday.

Saxifrage at Fort Hill - blossoms about April 1 or 2.

Stunk Cabbage. The spathe & spadix are well developed. The leaves are yet in conical rolls. Some unrolled are 4 by 6 inches. Some but just above ground.

White Maples, are full of blossoms & many trees are quite feathery. They have a russet or reddish brown appearance at a distance.

Red maples, are opening the envelopes, & much red is seen. The trees are reddish at a distance. - more red than white maples. In blossom April 5.

Elms, show an abundance of open envelopes, and flowers. The green pedicels are $\frac{3}{8}$ of an inch in length, & perhaps some are $\frac{1}{2}$ inch. Calyx purple.

Slippery Elms. The bunches of flowers or flower buds are considerably developed - though not quite as much as the other Elms. The scales, which are rather woolly, between the purple calices, are falling.

Alders show fine dangling catkins or aments, 2 or 3 inches in length - fully developed, and the yellow is a little faded. The catkins are of a pale yellow, and purple. Passed the full.

White Poplars. Those near the canal, back of Chauncey Clark's, ~~etc.~~ are all in blossom or in catkins. The better or northern trees have fine dangling catkins; some are still quite reddish & not fully grown; others, light colored having lost most of the red, and are 3 to 4 inches long, & wave handsomely in the wind. The farther a southern trees have shorter catkins & smaller, with less red at first, & they do not dangle much - more stiff than the others.

At Mr West's the tree near the farther hot house is like the latter; some trees on the side hill are like the former.

Great tooth Poplar - shows short, small catkins - just begun.

Willows by old canal have large greenish catkins full of bees. Show anthers.

Shepherdia at Dr Allen's began to blossom April 4. Many open April 5.

March 1851.

Vegetation - March 31. Continued. Monday.
Leaves.

The Siberian Spiraea has leaves an inch in length, with a number of leaflets to each leaf. These leaves are larger than those of any other shrub.

Trumpet Honeysuckle - has leaves an inch in length or more, and $\frac{1}{4}$ to $\frac{3}{8}$ in width.

Gooseberry. Mr. Shepard has one bush with leaves fully open, and others with the ends of leaves open and opening. Bushes are a little greenish.

Yellow Currant has opening leaves.

Lilac Buds are large. The leaves begin to open, and in a few, the purple flower buds are seen at the end of the green leaves, surrounding the buds.

Early Bealstraw has stems 2 or 3 inches high at Fort Hill.

Grain in the meadow, in general, is only greenish, but some, in some warm places, near Fort Hill, it is 5 or 6 inches high.

Grass, in the meadow, as far as I could see, is nowhere green, from the growth of spring. It is a little greenish in some wet swales. The color of the meadow-grass land is a light brown. I saw not much of the N. meadow.

Grass, in the village, about buildings, in some streets, and in some warm rich homelots, is becoming green. Clover is showing itself.

Pod annua has shot forth its panicles abundantly in the garden.

Daffodils. The early ones have leaves 4 inches high, and show flower buds.

Tulips show leaves 3 to 5 inches high and some are an inch wide, & some, $\frac{1}{4}$ or $\frac{1}{2}$.

Jewel Weed has come up from seed at Fort Hill. Leaves as large as 6 cent-pieces, & some equal to 10 cent-pieces.

Butterflies. I saw at Fort Hill to-day several large purplish brown, or dark colored, butterflies, the wings edged with white or a light color.

Bees were thick on the catkins of the willows & white poplars; and countless on the white maples.

Black birds made a great noise in the meadow.

The Robin has had a regular song about 4 days.

Chickadees, winter birds, are about daily.

Eggs began to be more plenty in February, and have been abundant in March. Price 12 cts.

Frogs began to peep this evening, or last evening.

March 1851. Monday 31.

Logs at Lower Saw mill.

At this mill (near South street.) I found that less than half the logs, now unsawed, are not pine, which is unusual. There are some large logs, but they are generally crooked or knotty. The logs seem to become poorer every year.

The logs at this mill are white pine, yellow pine, chestnut, red, scarlet and white Oak, great tooth poplar, maple, considerable hemlock. Most of the timber is white pine, chestnut, hemlock & oak.

Building. A great number of houses have been erected the past year - more perhaps, than in any year before. A few are expensive houses, but almost all are houses for mechanics & others who cannot afford expensive buildings. I think more houses have been erected than will be occupied at present. There is a block of ten tenements near Pleasant Street. A Methodist meeting house has been erected within the last 12 months. A new jail has been commenced within a few days, with House of Correction, &c.

Snow is almost all gone from all the hills and mountains around. The great river is not very high, and has not been this season. Is rising.

The Roads are becoming good fast.

Carting Manure has commenced, into the North Meadow. Not much casted until to-day. I saw no manure heaps in South Meadow, except some carried out in the fall.

Labor. Hired men get about 14 dollars a month for 7 months - 98 dollars. Some get 15 dolls. and some less than 14. [P.S. I find some get 16 dollars for 7 mo.]

For a year men get about 144 dolls or 12 dollars a month. some as high as 150[¢] some less than 144[¢] and some over 150. Many Canadian French are hired here - are better than Irish.

Shad were brought from Saybrook April 3, and sold here at 50 to 62^½ cents. Shad have been caught at Saybrook only a few days.

The Season, April 1 is about as forward as April 10 last year - or 9 days earlier - and is about 4 or 5 days earlier than 1849.

April 1851.

Thermometer.

Weather

Wind

Sunrise. 1 P.M. 9 P.M.

Tuesday	1.	32.	59.	47.	Fair	Southw.
	2.	29.	44.	37.	Cloudy. Little rain	N.E.
	3.	37.	58.	40.	Rain in night. Day fair.	N.E.; S.W.
	4.	31.	55.	44.	Mostly Fair	N.W.
	5.	37.	65.	48.	1/2 Fair. 1/2 cloudy	N.E.; E.
Sunday	6.	54.	58.	52.	Cloudy. Some rain.	S.E. & S.
	7.	38.	60.	44.	Fair & pleasant.	N.W. & W.
	8.	39.	61.	60.	Mostly cloudy. Rain after 3.	S.E. & S.
	9.	38.	54.	38.	Fair. Windy	N.W. & W.
	10.	33.	70.	52.	2/3 Fair. 1/3 cloudy.	S.W. & N.W.
	11.	36.	51.	35.	2/3 Fair. 1/3 cloudy.	N.E. & E.
	12.	27.	42.	32.	Fair. cool.	N.E.
Sunday	13.	23.	45.	38.	Fair. cool.	N.E.
	14.	26.	46.	38.	Fair. cool	N.E.
	15.	38.	44.	43.	Fair. cool. windy.	N.E.
	16.	39.	45.	39.	{ Cloudy. cool. High wind little sprinkling	N.E.
	17.	36.	39.	34.	Cloudy. Cool. Some Rain	N.E.
	18.	36.	54.	41.	Cloudy. cool.	N.E.
	19.	38.	49.	39.	Cloudy	S.E. mostly.
Sunday	20.	32.	38.	36.	Snowed A.M. 3 inches. Rainy P.M.	N.E.
	21.	36.	49.	45.	Mostly Cloudy.	N.W. & N.
	22.	39.	56.	49.	Fair	N.W.
	23.	44.	65.	56.	Fair	N.W.
	24.	39.	70.	47.	Fair. some haze.	N.W. & N.
	25.	34.	60.	49.	Fair	N.E. & S.W.
	26.	32.	65.	48.	Fair	N.W.
Sund.	27.	37.	68.	48.	Sunshine & haze A.M. Cloudy P.M.	S.
	28.	43.	58.	47.	Cloudy	N.E.
	29.	41.	61.	49.	Fair A.M. Cloudy in P.M.	N.E. & S.E.
	30.	34.	53.	43.	Cloudy A.M. Some Rain P.M.	S.
		1078	1842	1318		

Temperature.

At Sunrise	35 ²⁸ / ₃₀	} Average 44 ²⁶ / ₃₀
At 1 P.M.	54 ²⁹ / ₃₀	
At 9 P.M.	43 ²⁸ / ₃₀	

April has been a fine month for the most part. Some unpleasant days. Warmer than 1850 & 1849. ~~But~~ not quite so warm as 1848, but nearly the same.

April 1851

Tuesday 1.— The month begins with a fine, pleasant day. Snow is gone, and some are gardening. Travelling is pretty good—some bad places. The birds are merry. I have as yet only seen or heard the following spring birds:— blue birds, robins, blackbirds, (two kinds) Song sparrows, and another sparrow with a black spot on the breast, phebes, meadow larks.

Sydenham C. Parsons paid me 200 dollars on his note, and I lent the same to Col. G. Shepard.

Wednesday 2.

Received of Sylvester Judd the notes which he held for me, viz. One signed by Eliphalet Williams and J. D. Whitney, dated Feb. 20. 1850; One signed by Josiah Dwight, dated July 21. 1849; two signed by Elisha Graves, and one on each, dated May 1. 1849; and the said Sylvester Judd has now no money nor notes, nor other property of mine in his hands. He has given me his note for 50 dollars, dated April 18 1850, for money of mine which he had of Josiah Dwight April 16. 1850, and all other accounts between us are settled.

Samuel Matthews

Thursday 3.

Friday 4.

Saturday 5.

Waked to Fort Hill, P.M. with brother Matthews girls

Sunday 6. Bad cold. staid at home

Monday 7.

The Season 11.

Rain and warm weather have made vegetation advance considerably since March 31.

Grass is becoming quite green in good home lots and grass lands in the meadows begin to be greenish.

Siberian Spiraea has some leaves about 2 inches long with 18 leaflets, or perhaps 20. Has larger leaves than many other shrub.

Trumpet Honeysuckle is next. Leaves reddish.

Goose berries, are considerably green with leaves

Yellow Currants are greenish with leaves.

Weeping Willow—has leaves $\frac{3}{4}$ inch long, and small catkins are seen. Trees are greenish at a distance

Yellow Willow—has leaves about the same, or a little longer. Trees are greenish yellow, in some degree.

Thimbleberry has open leaves, or some plants have.

Shepardia is in about full blossom.

April 1851

Monday 7. — The Season continued.

Daffodils — the early sort shows a number blossoming at Brights & Talbots. Mrs. Dwight's not open. The flowers are yellow, with a long petal-cup.

Procus blossoms continue to be plenty.

Snow drops. I find no plants.

Mezerion is about full blossom, or a little past.

Shepherd's Purse showed its small blossoms some days ago — as early as April 1 or 2.

Lilacs in warm places have disclosed the purple clusters of flowers buds; & these clusters are beginning to open or spread. The white lilac is not quite so forward as the purple.

Red Maples are in blossom, & show both stamens and styles, and anthers — not fully out, or some are not.

Elms are becoming a little greenish, or greenish brown. Some are greenish.

English Elms are in blossom — not quite as forward as the others.

Hyacinths began to blossom at Mr. Bright's April 10th — many out there & some at Mr. Shepards April 11th. —

Primulas. Early ones at Talbots were in blossom as early as April 8 or 9. Not observed till 12th.

Frogs not only creep, but one kind trills, perhaps tree-frogs.

Mouthing commenced on early uplands last week in some places.

Deciduous forests on Tom & Holyoke are of a silvery or grey, or silver-grey hue, where the sun shines on them. There are some leaden hues, and slight shades of purplish.

Dandelions are gathered for greens, and probably other vegetables.

Travelling is now pretty good in every direction.

Yellow birds of one species are about.

Golden winged Woodpecker I heard April 12.

Broom Corn the worth is only 5 cents or $5\frac{1}{4}$ this spring. Much has been sold at those prices. There is much on hand.

April 1851.

Tuesday 8.

Wednesday 9.

Thursday 10 State Fast.

Both congregational Societies met in old meeting House A.M. & in Edwards Church P.M. A pretty large congregation in both places - the Edwards M.H. quite full. Young people, boys and girls, were much less numerous than older persons. Many were at play, shooting, &c. I presume. Mr. Swift preached A.M. & Sunday P.M. Both came out very decidedly against the Fugitive Slave Law, and pointed out the distinction between what was due to Caesar and what was due to God - showed that there was a higher law than man's law. They did not counsel rebellion or violence, against an unjust, ungodly law, but said there should be no active obedience to it - only a passive one. Mr. Ellis, the Unitarian minister, preached in the same manner on the same subject.

Friday 11.

I walked out to see Frances P.M. The little Hall is quite unwell - seems to have inherited some of his father's infirmities.

Vegetation.

Elders have open leaves.

Meadow Sweet has open leaves.

Wild Raspberry has open leaves.

High Blackberry has opening leaves.

Shadbush. Clusters of flower buds are spreading.

Syringa. Leaves are opening. Some open.

Twin Flowers leaves as syringas.

Great Tooth Popsars. The male trees above the upper mill have fine catkins waving in the breeze, make a beautiful appearance. They are from 2 to 4 inches in length. The short ones are yet red with a little down, and not yet fully spread. The longer ones have some red, but have lost most of it; are light colored with spots of brown changed from red, & a little red at the tips. There is a diversity of colors in them, which adds to their appearance - their gracefulness.

The female trees have reddish, slender catkins about 1 to 2 inches long, crooked and stiff, or not dangling.

Hazels show male catkins 2 inches long or more - have been out some time - before April 1st. I presume, are light colored & becoming dry. The red stigmas of the female flowers are seen above the others. Silver Popsars have catkins $\frac{3}{4}$ and 1 inch in length.

at other places & with Wilson's.

April 1851.

Friday 11 - Vegetation continued.

Liverwort or liverleaf is abundantly in flower on the hill side above Dameron's Sawmill, and above the Great North Poplars. These flowers have been open some days.

Venus Priele or Innocense shows many blossoms on the same side hill. Have been out some days probably, or two or three. Apr. 12. Found them at Fort Hill.

Mouseear. The low early, has flowers partly open or perhaps quite open.

Japan Quince has open leaves - probably had yesterday.

Rose Bushes. The climbing ones at Mr. Shepard's door and elsewhere have open leaves. Other Roses also.

Crab Apple - has leaves fully open.

Field Horsetail has shot up its stems, that are fertile, 24 to 6 inches, with a head at the top - by road side this side of Bensonville Factory.

Scotch Larch has pencils of green leaves $\frac{3}{4}$ inch long, and some a little longer.

Mezerion has had green leaves at ends of branches some days. Blossoms continue.

Red Maples are every where in blossom, and every where red or reddish. There are different shades of red.

Willows are more green than any other trees. The weeping Willow is greener than the yellow. The yellow has as large leaves, but makes less show, being of a pale or yellowish green. Low Willows by the brooks have leaves about as large as the weeping & yellow.

Tree Peony. Mr. Shepard's has open leaves. They began to develop themselves many days since.

Other Peony has shot up stalks & leaves 6 inches.

Viburnum lentago (at Round Hill establishment) shows close clusters of flower buds, surrounded with long pointed leaves.

The Meadow. Observed from Round Hill. that Old Rainbow was quite green. Grassland in higher meadows greenish, or becoming green.

Broom corn stalks were turning in some places.

Elms are reddish brown, brownish green, or pale green or greenish. Examined closely, they show that the scales have fallen; green pedicels are from $\frac{3}{8}$ to $\frac{7}{8}$ of an inch long; calyx is reddish in part & green in part, the reddish part withering; anthers are brown; the pistils are enlarged, are green & becoming green seeds.

Blood Root is in blossom at Capt. Dameron's - must have been open two or three days. In blossom elsewhere doubtless.

Grape Hyacinth shows clusters of globular buds or blossoms.

Season as forward as April 25 (or 27) 1850; as April 18 or 20, 1849.

April 1851

Saturday 12. Vegetation, &c.

LOGS at Darnon's Mill - much like those
at other mills. Very many small, or crooked,
or knotty. Most would not have been sawed a
few years since. Some of the chestnuts are large.
Chestnut logs form a much larger proportion than
they used to a few years since. Still White Pine
are at least half of the whole at this mill. But
few yellow pine. A considerable number of hemlock
and Oak. A few maple and poplar.

There are two steam sawmills in the town
one on Paucake plain, and one by the rail road not
far from King Street.

Dry leaves - still adhere to small oaks, beeches, and
some witch-hazel.

Witch Hazel. The calyx of last autumn is bright
and green on the inside.

Mountain Ash near Hinckley's house has opened
its leaves in part; leaves & leaflets are seen, but
not fully out.

Horse Chestnuts. Some early trees, one of Brights
and one at Dalbott's, have opened the envelopes of the
leaves, & show leaves & leaflets partially - much like
the mountain ash above. Other trees seem unchanged.
or but little altered.

Slippery Elm. About as forward as the other elm, but the
pedicels are only $\frac{1}{8}$ inch long, green; the calyx is purple
or green, the purple fading; the stamens are white and
anthers dark purple or brown; the styles not so distinct as
on the other species. The woolly scales have fallen.

White Poplar. Those by canal, back of C. Clark's.
The male catkins have fallen, on those on the lower
trees. The other, or more southern trees, are full of
catkins that are 2 or 3 inches long (or $1\frac{1}{2}$ to $2\frac{1}{2}$ inches)
green with some down; they are not loose, but rather
stiff, though they move in the wind a little. The tree
by West's hothouse, is full of the same kind of catkins
female, I suppose.

River Poplar. The trees by the old canal, one male
or sterile; theiraments or catkins, $1\frac{1}{2}$ inch in
length & near half an inch in diameter, (over $\frac{3}{8}$) and
of a dark red color with light colored spots; are conical
in shape. - The fertile trees (one near mill river
below the bridge) show very small catkins, if any.

Hackmatack, in village shows pencils of leaves, short -
about $\frac{1}{4}$ inch.

Snowball - has opening leaves - some small leaves open.

Common Thorn & Hawthorn } all have opening leaves - a little
Common Currant } open at end of buds.

(Litchman's Breeches - at Farkell, many buds
and a few are almost or quite flowers.

Abortive Crowfoot. I observed 2 or 3 flowers at F. Hill, Spent.

Dandelion. I saw one flower in the grass by a path
in West's garden.

Blue Violets, wild. A few in Mr. Sheppard's lot in blossom.

Spice Bush - by West's road - has some blossoms.
and many buds very near blossoming.

April 1857

Saturday 12. Vegetation continued.

Rose Bushes. I find that the *ferox* at Lawrence, some of the *Cinnamom*, & other rose bushes have open leaves. Rose bushes are not quite as forward as the *Rubus* genus. Most of rose leaves not open. English Raspberry has opening leaves - a few open.

Lilac. The purple has clusters of flower buds an inch long. The white has clusters of flower buds almost an inch.

Carex. This grass of several species grows among the trees on south Fort Hill. Some has grown several inches this spring. A few heads seen.

Weeds. The most common weed on lands cultivated last year is Shepherd's purse. It is almost everywhere. Sorrel is plenty. Chick weed abundant in gardens & some elsewhere. Poa annua abundant in wet gardens.

Skunk Cabbage at foot of Fort Hill has some leaves 6 inches by 8 or 9.

Bloody Dock at the shepards has leaves 2 inches by 4.

Daffodils are plenty. Many are not the early ones, & have nothing in the form of a cup, only common petals, all yellow.

The water is on the lower parts & vallies & ravines of the South Meadow, but is not very high. I do not notice any in north meadow, but it is doubtless in some low places. There has been no flood this spring.

Ploughing. I observed one man ploughing in South meadow, below maple street, (Breck's land.) I presume there is some ploughing going on in the north meadow.

Manure Heaps (large piles) are becoming more numerous in both meadows.

Shad from Saybrook sell at 37 cents.

Cowslips are offered for greens, with dandelions. They have large buds, and perhaps flowers, but I have seen no cowslip flowers.

April 1857

Sunday 13. — Mr Knapp of Hatfield preached
— a fair preacher. Services about 1 1/4 hour.

Monday 14.

Tuesday 15

Wednesday 16 High wind here —
Great damage done by wind & water in Providence,
Boston, Salem, Portland, &c and in the country around.
Great Fire at Palmer, Wednesday night.

Thursday 17

Friday 18

Saturday 19

The Season — (about as April 26. 1849, & April 29. 1850)

For a week past the weather has been cool & cloudy,
and the wind, N.E. and vegetation has ad-
vanced but little.

There is little or nothing new to be noted.

The Meadows. I observe manure heaps very
plenty in the meadows, and corn stalks,
or rather broom corn stalks, are burning
in some places; and some are ploughing in
both meadows, but chiefly in the north meadow.
Some have ploughed a number of acres. This
ploughing is for oats, which they will sow next
week; though some are ploughing for corn — not many.
Only a very small part of the plough-land is ploughed.

Grass is quite green in the village, and most
of it is green in the meadow.

Green Trees. In looking about the village
the only green trees are Willows, yellow
and weeping, which now look much alike
and are quite conspicuous. — Many elms
are of a dull green, or greenish, or brownish
green, or reddish brown. But the color comes
from the blossoms, & is nowhere bright.

Green Shrubs. Gooseberry bushes are quite
green. Lilacs, Trumpet Honeysuckle and
yellow Currant are greenish; Syringa comes next.

Common Currant has a few small leaves open.
Hawthorn has not open leaves yet.

Daffodils & continue plenty; Primulas.
Hyacinths. No new garden flowers.

Crocuses are gone; & Mezerion flowers are fading & withering.

Apricots. Mr. Lawrence's tree, close to the
south side of his house, shows 3 or 4 blossoms
to day. The buds are not open on Mr. Shepard's trees,
nor on other exposed trees.

Periwinkles are in blossom — may have been some days.

Woods on corn lands in the meadow — cultivated last
year. Sorrel, more than all other; Shepherd's Purse, Dock,
Mullein, Carex, and good grasses, clover, a 3 leaf
plant with strawberry leaves, a plant with dandelion
leaves, Wild Radish (I think). These in S. meadow.

April 1851

Sunday 20. Snowy, rainy, splashy. I did not attend meeting.

Monday 21. Most of the snow dissolved to day but some is seen at night on the mountains & hills.

Tuesday 22.

Walked out to see Francis & Children P.M.

Vegetation.

Not much change for 10 days.

Wild cherry, smooth bark & rough bark, both show some open leaves, viz those around clusters of flower buds.

Red Maples. Some of the trees have pedicels $\frac{3}{4}$ of an inch long or more. The Redness of the trees is visible in various directions, but is not conspicuous. In looking at Hadley, in various places, from Round Hill I could not see the red of the maples.

Hawthorn. A few leaves are open, more on isolated trees.

Tulips. There are 3 or 4 open blossoms on early tulips at Brights.

Daffodils. I saw a variety at Brights that I never saw before. The blossom is yellow with 6 regular petals on the outside, and within the petals a small cup of some length, very pretty. Petals & cup small compared with others, and leaves narrow - about $\frac{1}{4}$ of an inch wide.

Shepardia, at Dr. Allen's, has open leaves.

Age of Chesnut Forests - on Mts. Tom & Holyoke, Roberts Hill, Round Hill, &c. These forests have some oak, maple, &c.

Chesnut trees are full of light colored spots - maples are more white, & oaks besides white oaks, have more or less that is whitish.

Sunday 14.

Moss makes more light color on trees especially chesnuts, than the spots on the bark. The moss is now of a slight, faint greenish tinge, but makes the trees look quite light colored on the N.W. side. Most of the moss is on the N.W. side; the large trees are almost free from moss on $\frac{1}{2}$ or $\frac{2}{3}$ of them S. & S.E. &c. It covers a greater share of the staddles and small trees; and covers more of the upper part of the body & upper limbs than the lower. The upper branches are quite light colored, on middling & large trees; the small twigs of a few years growth have a brownish color - perhaps a chesnut color - inclining to greenish.

The Chesnut forests on these Mountains & Hills, by the whiteness of the bodies & limbs, give the trees when destitute of foliage, a grey or silver grey appearance, and the light colors are more distinct when the sun shines bright and obliquely, or when they are on a steep side hill and so more exposed. They are lighter colored as seen from the N.W. side than when seen from S.E. side. When the land is not steep, but so level that many tops of trees & millions of twigs are seen together, they hide more of the white, & the leaden, purplish, reddish brown, &c. are more distinct. It is somewhat similar in a cloudy day after the buds are a little swelled.

April 1851

Wednesday 23

I am this day 62 years old. I have had some uneasiness about the sides and bladder the last months, winter & spring, but have not suffered much. A little trouble about the heart recently.

Thursday 24.

Friday 25.

The Season has advanced considerably this week.

Flowers.

Apricot. Mr. Shepard's tree, not protected by a building, began to blossom April 23, and many were open April 24. Trees close to houses began 2, 3 or 4 days earlier. About full blossom April 26 & 27.

English Cherry. Mr. Wells' Tree began to blossom yesterday and many open to day. I observe blossoms on 2 or 3 other trees, on limbs close to a building. Exposed trees, like Mr. Shepard's, have no open blossoms yet. P.S. Mr. Shepard's trees began 26th, 3 or 4 blossoms, many some leaves. - Blossoms on other exposed trees April 27, & more on trees.

Common Currants have begun to blossom - a few out. Yellow Currants. One at E. Graves's has many blossoms. Began one or two days ago. Other bushes show a few blossoms - some have none.

Gooseberry - many blossoms - began 24th & probably 23.

Hyacinths are in their glory.

Grape Hyacinths are full & plenty.

Daffodils - there are several sorts or varieties.

1st. The yellow flower with a large number of irregular petals, and no cup. These are the most common, and the most plain of the daffodils.

2d. There is a variety with most of petals yellow and some white petals within the others, & shorter.

3d. There is a variety with 6 petals on the outside and a long cup within them, neat & delicate, and 1 1/2 inch in length besides the uneven edge of the cups. These have no petals but the 6 and the cups. All the sorts have six outside regular petals.

The small sort noticed April 22d. is probably the same as the 3d sort - but happened to be very small.

All Daffodils, of the sorts mentioned, are in full glory or thereabouts.

Cross Pinks - are in blossom at Mrs. Dwight's. may have begun yesterday.

Crown Imperial at Polly Pomeroy's has large pendant buds - not yet open.

Peonies - Tree & others, show buds larger than bullets.

Dwarf Iris - begins to blossom in Mrs. Dwight's garden.

Black Currant - more forward than red in leaves, but not in blossom buds, which are only visible small.

Shad bushes in village not yet in blossom.

April 1857

Friday 25.

The Season - continued.

Leaves, &c.

Ornamental Apple. Trees are greenish or green.
Common Apple. The leaves around flower buds
are open & opening. Some trees greenish.

Pears - are as apples.

Quinces - Leaves are opening. Some open.

High Cranberry - Leaves opening. A few open.

Buckthorn - Leaves opening. Some open.

Horse Chestnut. The two trees before noticed are
quite green. Some others show leaves
and cones of flower buds. Others have
only opening buds; some but little changed.

Mountain Ash. The tree at Hinckley's is
green like the two horse chestnuts. Others
have opening leaves. Some buds not yet
opening. One about as far advanced as
horse chestnuts.

Prune - some leaves open. Others opening.

Matrimony Vine - is full of small leaves.

Ash Trees - show an abundance of dark colored bunches
which are small as yet.

Tulip Tree - Leaf buds are beginning to open
and one little leaf has shot forth from
many buds.

Sugar Maple. Some trees have shot forth
bunches of yellowish flowers - others show
buds. Pedicels are of some length. A
few leaves are open, and others opening,
many leaf buds not much changed.

^{Some trees are greenish in spots.}
Elms - are generally greenish from the
seeds, not half grown, or about half. The
blossoms have fallen. Leaf buds are
enlarged, but none open, except on
young, small trees. Not many open on them.

White Maples show an abundance of small
keys or seeds - flowers are gone. Many
leaves opening.

Red Maples - Flowers gone. Pedicels from 1/2 inch to
1 1/2 inch in length. Trees are red according to the
number of seeds or pedicels.

Striped Maple at Wests. Reddish envelopes around the
leaves have an opening one side. Not yet open.

Scotch Larch is greenish with leaves.

Barberry has open leaves.

Hackmatack is full of short pencils of leaves - about 1/2 inch long, and
many small brown bunches.

Persian Lilac has open leaves.

Rhubarb, in our garden. The lower leaves are from 2 to 3
inches in length. Larger in some gardens.

April 1857

Saturday 26

Fort Hill - In general no tree is green and no shrub that shows at a distance. But the following have some spring-color.

Red maples are reddish;

Poplars, great tooth, female, are full of catkins about 2 inches long - crooked, and not very limber.

Poplars, white, female, are full of catkins 3 or 4 inches long, greenish. No yellow seed vessels are visible.

Wild Cherry, rough & smooth bark, both have leaves and both show clusters of flower buds. The smooth bark are the most advanced. The dwarf trees are more forward than the larger rough-bark.

Yellow Birch has catkins 2 inches long - are stiff yet - do not dangle.

Iron Wood has small leaves - some reddish anemts or catkins about an inch long.

Hornbeam - no leaves. A few short green catkins.

Butternuts begin to open leaves

Beech Trees have only swelled buds - not much changed.

Bladder nuts - show clusters of flower buds - no leaves.

Dogwood, alternate leaf, leaves are opening. Not open.

Elms are greenish with seeds at Fort Hill as well as elsewhere. The slippery elm makes less green than the common elm.

Early Saxifrage
Adder Tongue
Blood Root
Witchman's Breaches

} These blossoms are plenty at Fort Hill, & have been for a long time - the two former the longest.

Early Meadow Rue - shows abundance of buds, some purple outside, and some green outside later. I found only a single plant in bloom, with yellow anthers.

Briars and other rubi. are more forward, & more green than any other shrub or tree at Fort Hill.

Hawthorn Tree at Wests is quite green.

Sassafras - about as Bladder nut - not quite so forward.

var. ex. The early kind at Fort Hill has been in blossom - some time.

Spice Bush at Wests continues in blossom.

Poplars, silver, most have greenish catkins, about 2 inches long some trees have no catkins.

Poplars, river, female trees have catkins 3 + 4 inches long, greenish

The Meadows.

Some are ploughing; some have sowed Oats this week; some are cutting up broom corn.

Broom corn stalks are cut up with a short scythe, raked into windrows & burnt. Smoke may be seen in the meadows daily, and sometimes blazing fires. Perhaps some plough under the stalks. The expense of cutting, raking together & burning the stalks is one dollar an acre.

The large brown Butterfly with wings edged with a light color, are plenty, I see no other, ~~except the small ones~~

Grasshoppers. I have noticed two or three an inch long.

Bees are humming on the willows & elsewhere.

April 1851

Saturday 26. Season-continued.

Mounts Tom & Holyoke. These at noon when the sun was high, had more or less of the silver-grey appearance, but where the trees ~~are~~ more dense, and in general, there is more of the red-dish-brown or purplish, or chestnut color than a few days since, in the Chestnut-region. — In the evergreen region little else is noticed but evergreens.

The Village. Grass is very green. If green trees, only the faint green elms and the deep green Willows, (yellow & weeping) are seen in the village, in looking around. The green shrubbery about houses is not much noticed at a distance. The green shrubs are lilacs, gooseberries, currants, common & yellow, honeysuckle, Siberian Spiraea, Syringa, fly honeysuckle, &c.

By travelling about the village, one may find a few green crab apples, a few horse chestnuts, and a few others — green or greenish.

The Whiteness of the Button Woods is very conspicuous. They are very white, but spotted with brown, look as if they had been painted white, or whitewashed, in places. They are whiter than any white birch that I see, that is, where they are white. The white is pure white, and the brown is brown — both quite smooth.

Lilacs. The purple bunches of flower buds are about 4 inches in length, & considerably spread. Those on the white lilac are about 3 inches long.

Barren Plum — begins to blossom April 27. At Hopkins.

Asparagus (Mr. Shepards) begins to appear above ground; 27th.

A Plum tree at Wests begins to blossom April 28.

Shed bush at Dr. Thompsons has many blossoms, & Apr 28, began 27th I conclude. Tree at Wests has not begun Apr 28.

Japan Quince. Mr. Shepards. began to blossom April 29.

Peach Trees. Some blossoms, 5 or 6, appear on Mr. Shepards tree, on limbs close to the house, or only 3 or 4 feet from it, April 29.

Mounts Tom & Holyoke, Chestnut region April 28. Cloudy. Not so much grey as 26th, much of a brown color with a very slight tinge of purplish. A hue difficult to describe.

Evening Noises. Little else is heard but frogs. They make the trilling noise the most. There is not much peeping.

April 1851

Sunday, 27. Mr Swift preached A.M. and Mr Day P.M. Services both parts of the day 1 $\frac{1}{4}$ hour. — Mr Day is about to leave us for Cincinnati on account of his health. He is a fine preacher and an excellent man. There was a very large congregation in the old meeting house, though not full.

Monday 28.

Tuesday 29.

Wednesday 30.

Polly Pomeroy's Barn burnt last evening — the incendiaries are constantly at work here. and have been for a long time.

P.S. Another Barn (old John Kings) burnt May 5.

We have some reckless unprincipled young men & boys here — I fear there are many such.

Wild Pigeons have been brought to New York in great quantities, mostly from the counties of Alleghany and Steuben. One account says 75 tons. Seven tons are said to have come by the Erie Rail Road, April 25.

The Industrial Exhibition in London makes some talk among us. Many people feel some interest in it. It is a magnificent affair. There is doubtless as much folly connected with it, but it much better for mankind than exhibitions of armies & navies, and "garments rolled in blood".

May 1857

Thermometer.

Thursday	Sunrise, 1 P.M. 9 P.M.				
1	43.	60.	40	1/2 fair. 1/2 cloudy	S.E. & S.
2	33.	51.	39	Fair. windy.	N.W.
3	30.	59.	47.	2/3 Fair. 1/3 cloudy.	N.W. - S.W.
Friday 4	43.	60.	48	Mostly Cloudy.	S.W. &c
5	36.	44.	37.	Rain in night	N.E.
6	38.	56.	39	Rainy day	N.W.
7	31.	60.	42.	Fair 2/3.	S.W. N.W.
8	32.	66.	49.	Fair 2/3	Southerly.
9	41.	71.	56	Fair mostly.	2/3 Fair. Th. Showers at 5 & 9. Southerly &c.
10	45.	74.	63.	Foggy morn. Fair A.M. Cloudy P.M.	S.E. & N.W.
Sund. 11.	53.	62.	56	Cloudy & some Rain	N.E. S.E.
12	51.	67.	59.	Cloudy	S & S.W.
13	55.	81.	65.	Foggy morn. Day Fair	Southerly
14	61.	72.	55.	Thunder showers at 6 1/2 & 7 1/2	from N.W.
15	47.	62.	53.	Fair. Windy P.M.	N.W.
16	41.	71.	55.	Fair & pleasant.	S.E. &c
17	50.	63.	61.	Fair & pleasant.	S.
Sund 18.	54.	67.	55.	Mostly Cloudy. Little Rain.	S.
19	47.	74.	55.	Cloudy mostly.	S.E. &c
20	50.	69.	63.	Mostly Cloudy.	N.E. S.W.
21	55.	79.	59	Cloudy A.M. Fair in P.M.	Southerly
22	46	70.	62.	Fair & pleasant	N.W.
23	60.	82.	52.	Cloudy. Rain & Th. in Evening.	N.E. - S.
24	42.	67.	49.	Fair. Windy P.M.	W. N.W.
Sund 25.	38.	72.	49.	Fair.	N.W. S.E.
26	41.	76.	56	Fair.	S.
27	53.	78	63	Fair.	S.
28	60.	75	62.	Sunshine A.M. Cloudy P.M.	S.
29	58.	55.	48	Some rain in night.	
30	45.	54.	49.	Fair & pleasant	N.W. &c
31	48.	65.	51	Rain by turns	N.E. & S.E.
				Cloudy.	N.E. &c
				Fair	S.
1427; 2062; 1637					

Temperature

At Sunrise $46 \frac{3}{4}$
 At 1 P.M. $66 \frac{16}{37}$
 At 9 P.M. $52 \frac{25}{91}$ } average $55 \frac{6}{93}$

Above 4 degrees warmer than May 1850.
 yet Vegetation was only 1 day ~~in advance~~ in advance of
 last year June 1 than May 1.

May 1837.

Thursday 1st.
Vegetation. A.M.

Flowers.

Apricots are passed the full, & many blossoms fallen.
— almost all from some trees. Some small leaves

English Cherry. Almost all trees have some blossoms;
very many but few; some have half the blossom buds
open, and a very few more. many leaves.

Old Red Cherry — not in blossom. Has small leaves & buds.

Peach. I observe blossoms only on a few trees near
buildings, & but few of these. Others however will soon
exhibit blossoms. The growth will be sparse, and
a thin blossoming always comes out later than a thick,
full growth. P. S. Before noon blossoms seen on some exposed trees.
Leaves on small trees, but not on old, bearing trees.

Barren Plum is in full blossom. very white.

Bearing Plum. Mr. Shepard has two trees that have
a very few blossoms. One commenced yesterday.
It is more advanced at Wests. In general, plums
have not begun, or hardly begun, to blossom.

Japan Quince. Mr. Shepard's bush has only half a
dozen blossoms, and Mr. Talbot's the same. Just begun.

Currant, common. About half the buds open.

Currant, yellow. — Not in full blossom yet.

Currant, black — Not yet begun to blossom.

Gooseberries. Some bushes in full blossom, and
some not so far advanced.

Grain Apple, } all these show flower buds with red ends
Pear, } The two former more advanced than the Corn Apple.
Corn Apple }

Garden Flowers.

No new ones for some days. Hyacinths & Grape Hyacinths;
Primulas, early Hatter, Daffodils of several sorts;
Early Tulips, Early Iris, Moss Pinks so called, Periwinkles,
& Violets are plenty.

Crown Imperial has been open some days at Polly Pomroy's.

Daffodils. Some new varieties have appeared. One
has 6 white petals and a small, shallow, yellow cup.
One has 6 white petals, and a larger yellow cup, but
not deep — The small kind before noticed has white petals
or whitish, sometimes.

Other Flowers.

Shad Bush. These shrubs or trees are generally in
blossom — some quite white — others not.

Candelions are now plenty — will be more so.
Venus Piddle. There are plenty — show white spots in
grass land, but will be more abundant.

Early Saxifrage — continues abundant on S. Fort Hill.

Early Meadows Rue is abundant there, but in general has
only buds. A few plants show yellow anthers or flowers.

Abortive Crowfoot is abundant at S. Fort Hill: and elsewhere.
much in Mr. Shepard's lot.

Adder Tongue continues at Fort Hill, but blossoms are less plenty.
Blue Violet } blossoms are becoming numerous on S.
Yellow Violet } Fort Hill.

Wake Robin (Jack-in-pulpit, Arum triphyllum) is abundant
at Fort Hill. Spathe & spadix generally green — but
many spathes have purple stripes within, and I noticed
one spadix purple at the top. Not fully grown yet.

May 1857

Thursday 1.

Vegetation—continued. A.M.

Trillium erectum (Bath flower) I did not find at Fort Hill. Presume it has blossomed, & blossoms had been gathered by the May-day gatherers. Possibly it is not out.

Dutchman's Breeches are most abundant on E. Fort Hill—flowers seem now at the full. Very pretty leaves.

Bloodroot on same side hill. Blossoms are less numerous than they have been.

Blue violets are very plenty in Mr Sheppard's lot & others.

Leafing and Greenness.

Willows still make the prominent greenness of the village, except the grass. They are aided by the shrubbery, and by some hard maples.

Green shrubs are lilacs, Syringas, Fly Honey-suckle, Trumpet Honey-suckle, Hawthorn, Gooseberry, (the most green of the shrubs) Currants, of all sorts, Siberian Spiraea, Snowberry, meadow-sweet, Barberry, Thimble berry and others of Rubus genus, Matrimony vine. Rose bushes of several sorts.

Green Trees, besides Weeping and yellow Willows. Some Hard maples, some Horse Chestnut, some Mountain Ash, Larch

Greenish Trees & Shrubs. Elms, some hard maples, white maples, some Cherries, Hackmatacks, Wild Cherry, many Apple Trees, Corn Elder, Snowball, High Cranberry, Persian Lilac, Thorn bushes, &c.

White Poplars. Some small trees are full of leaves. Some of the larger, with green catkins, have many leaves, and others but few. Leaves of good size. The green catkins are falling.

Hornbeams now have small leaves.

Elms in the village are only greenish with seeds, in general. Many seeds fall before fully grown. Some trees are not so green as they were. Some small trees have leaves and some larger ones, that have few or no seeds, have some leaves; but in general only swelled leaf buds are on the large elms, with seeds. Many apple trees have just about as much greenness as the elms.

Sleeping Elm—is much less green than the other.

English Elm, has few seeds & no leaves. Less green than the other elms.

Hard Maple. Some are quite full of green leaves; some of reddish leaves; more have only opening leaves, and many have only swelled buds or buds not swelled. Not half the trees are in blossom, perhaps not one fourth, and no tree has blossoms on all sides. The yellow blossoms are on a few top limbs, or side limbs, or both. Some trees have several spots of flowers. P.S. I notice one tree in blossom on all sides.

May 1851

Thursday 1.

Vegetation. Leafing &c. continued.

Red Maples. Some that were red in blossoming time are not red now. Only the pedicels and seeds now give redness. Some trees have but few or no seeds and are not red. Some had few fertile blossoms; and more or less of these prove abortive, on some trees. The pedicels are now from 1 inch to 2½ inches in length - some bright & others but faintly red. — Small trees without seeds are in leaf at Fort Hill & elsewhere; the leaves generally reddish.

White Maples on Mill River are full of reddish leaves, small as yet, for the most part.

Beech Trees at Fort Hill have no leaves, except some very small trees. The long stiletto shaped buds are swelled & elongated on some trees; and on others but little changed. No ragged buds yet.

Bladdernuts. The flower buds are more prominent, and some begin to hang down. Leaves around them are narrow & few.

Striped Maple at Wests. The leaves & flower buds are in reddish envelopes. These have generally burst the wrappers partly open, but not enough to expand, though enough to be visible.

White Wood or Tulip Trees at Wests, Brights, Talbot's. The buds have generally shot out two leaves one on each side; others are folded in the wrappers that remain unopened. Every leaf seems to be folded and enveloped in a case; when this case opens and sets the leaf at liberty, another case appears enclosing another folded leaf. Within or below this is another, and still another, until the germ of the blossom appears, if the large bud contains a flower bud. — The trees are a little greenish, nearly. B. Case called sheath, by Emerson

Yellow Birch at Fort Hill has dangling catkins. Some trees without catkins have small leaves.

Black Birch at Fort Hill - large trees have no leaves. Some small trees have some quite small leaves.

Butternut have small leaves; aments are about an inch long.

Horse Chestnut & Mountain Ash } These make about the same progress. There is quite a difference between the early ones and the later ones. Some trees of both species are quite green, & show an abundance of flower buds. Others have leaves much smaller, and many trees have only opening buds; and a few hardly that.

Ash Trees show little else but dark colored bunches.

Viburnum lentago is full of reddish leaves, and flower buds.

Cogwood, alternate leaf, has plenty of long, narrow leaves, flowering, at Brights, has open leaves, small; and the involucre has a small opening at the top through which may be seen the flower buds.

Sassafras at Round Hill house shows an abundance of flower buds & very little foliage. It is like bladdernut.

Mountain Maple (*A. spicata*) is in leaf at Round Hill house.

May 1851. Thursday 1.

Vegetation — Leafing, &c.

Apple Trees. Many are greenish at a distance. Others are greenish near by; and some show little or no green yet. The fruit buds are visible. — The greenish Apple trees are as green as the elms. — Not one half of the apple trees are greenish at a distance.

Quince Trees are in leaf and greenish.

I walked out to see Frances & her diseased boy, P. M. Green Trees. I saw none, but wild cherry, rough bark and smooth bark; and a few green shrubs. Shad bushes are generally in blossom by the road, but some have but just begun.

Red maples are much less conspicuous than in time of flowering. Many that blossomed have no red weeds show.

The woods on Round Hill, and Abbot's dards west of the hill, show no green, except a few shrubs or small trees, ~~lost~~ down among the trees. — The trees on the backside of Round Hill, as seen from the west, show an abundance of light colored or whitish bodies and branches, ~~swing~~ to moss and whitish bark. There is the grey appearance of the mountains, but the twigs at the top, have a darker color, as on the mountains, — a brown with a little chestnut color, or a slight tinge of purple.

Wood Anemone } These three sorts of flowers are plenty
Five Finger } by the road. The first & last in most
White Violets } ground. Have been in blossom
some time, but I have not seen any before.

Chestnut Region on Holyoke & Dorset, in the forenoon, when it was cloudy, showed some grey, ~~with~~ much of it was of a darker hue which I cannot find a name for. — it is brown with a faint hue of reddish, or purplish, or perhaps chestnut color. — a hue from the twigs and swelled buds. It has more life & is less dull than lead color. — After the sun came out there was more of the grey & light colors, but some of this darker hue remained.

Poke Root at Fort Hill has some leaves 6 by 8 inches or 5 by 8, and some plants are 15 inches high.

Stink Cabbage has some leaves 8 by 11 or 12 inches. Early Galium or Bedstraw is most abundant at Fort Hill but is not yet in blossom.

Jewel Weed at Fort Hill has two pairs of large leaves and a third pair of quite small leaves. Came up from seed this spring.

The Common Brake or Fern is from 8 to 12 inches high, and the rolled top of the leaf begins to unroll. Fort Hill. Solomon's Seal & a kindred plant are from 6 to 12 inches high. Fort Hill. Bone berry from 6 to 12 inches high. Some flower buds visible. Fr. H.

May 1851

Thursday 1.

The Meadows.

I observe considerable ploughing done in both meadows, but more than half of the ploughland remains unploughed - probably two thirds.

Oats is sowed and some pieces are up.

Corn Planting has commenced. Deac. Enos Clark told me that he began yesterday, and some others began to-day - not many I think. Most of the land for corn & broomcorn is not ploughed.

Potatoes. Some have planted small patches on upland, and probably in the meadow.

Manure heaps, I mean large heaps of manure loads, are seen in almost all parcels of plough-land, or on very many.

Grass in the meadows looks quite green for the most part. Some pieces have a little brownish yet.

Birds.

Martins came to Solomon Warners two or three days ago. [I did not hear them until May 13th.

Barn Swallow. I saw one to-day; have seen none before, but presume they have been here a few days. [I saw no more until May 13, when they were in Hockanum.

Chimney Swallow. I have not seen one yet. This is strange. Presume they have been in the village. [First seen May 9th.

The common birds are here - as Robins, Black Birds, Blue Birds, Larks, Song Sparrow, Chipping bird, yellow bird, Golden winged Woodpecker, and others. I have seen two Bobolink. Phoebe are common. Brown Thrush.

Worms' nest. I have not seen one on an apple tree or wild cherry, or elsewhere.

The Great Brown Butterfly continues. I see no other kind.

Muskatoes, Flies, & Grasshoppers. A few have been seen; a few are usually seen as early as April, but they do not become numerous until long after.

Grass grows well on good land. Has grown 4 1/2 and 6 inches in rich places, and by roads, fences, &c. Some canex or sedge at Fort Hill, has grown 6 to 12 inches - on dry, wooded land.

Poa annua is most abundant in moist gardens, &c. Has had panicles for weeks, & now has anthers.

Anthoxanthum odoratum (Vernal or Early Grass) is hardly seen yet. I have seen a very few stalks, short.

May 1851

Thursday 1.

The Season compared with preceding ones.
Foliage & flowering are as they were;

May 9. 1850 - or 8 days earlier

May 8. 1849 or 7 days earlier

May 2. 1848 or 1 day earlier.

Leaves and Flowers of different trees do not come out at the same distance from each other every ^{year}, but differ considerably. Two sorts of trees or shrubs will leaf or blossom the same day in one year; in another year they will be several days apart.

Young trees put forth leaves sooner than old ones; trees that do not blossom nor bear put forth leaves sooner than blossoming trees generally; perhaps the leaves that come out around the flower buds, as in apple trees, may be an exception in some trees, & may first appear.

Fly Honeysuckle, or *Xylostium ciliatum*, the same that grows on Holyoke, is in blossom at Round Hill establishment - has been in blossom some days, evidently. Is different from the cultivated Twin Flower, a Fly Honeysuckle.

Apples. My winter apples lasted until now. Apples are now sold from \$1. to 1.25 per bushel - russets.

Friday 2. Brother Samuel Hall here.

Saturday 3.

Sunday 4. Prof. Haven of Am. College preached ^(1 1/2 hour and 1 1/2 hour services).

Monday 5. Snow on hills this morning but none in the valley. Said to have been extensive.

Tuesday 6. Snow again in some places, in the morning but only rain fell in the valley, the two nights past.

Wednesday 7.

Jere Smith came today.

Solomon Judd, my cousin, came here today and took tea. His brother, Elcar, was with him. He is 68 years of age & resides in Syracuse. He has lost one arm, and is blind with one eye, & half blind with the other. He is a corpulent portly looking man, with a broad, full face, and resembles my father very much. His decrepid, dependent situation (he seems to be poor, though well dressed,) makes him wish rather to die than live, though he seems in tolerable spirits. He went to Otisco to make a beginning in 1801, and remained there summers & at Westhampton winters until after his marriage in 1804, when he was there all the time.

May 1851

Thursday 8.

Progress of Vegetation. It has advanced very slowly since May 1. The weather has been cool.

Flowers.

Apricots. The blossoms are mostly fallen.

Eng. Cherry. In full blossom - some trees a little past.

in general blowth.

Old Red Cherry. A few blossoms are seen to day, by a shop and more near jail-house.

Plums. A few trees are in full blossom. In general, about half the blossom buds are open.

Purple Plum, Mr. Shepard's began to blossom yesterday.

Peach Trees do not blossom fully, but most trees have some. There are trees as full of blossoms as they will be, and others not so forward. Leaves are coming out.

Pear Trees, begin to blossom to day. I have seen a very few blossoms on Bart trees. [May 9. Many more open.

Japan Quince. About half the blossom buds are open at Talbots and at Shepards. [May 9. Almost all open.

Common Currants are in about full blossom.

Yellow Currant - about the same - some more advanced.

Garden Flowers. Only one or two new ones observed.

Leucopium vernum or snowflake has been in blossom one day, or perhaps two.

Com. Tulips. I notice only two flowers open, and those at Brights.

Shad bushes & trees are generally white with flowers - about full. There are some trees at Fort Hill, Esd., that are 30 or 40 feet high.

Wild Cherry. The smooth bark at Mansion House has a number of blossoms. The trees not near house, are not so forward. Blossoms elsewhere 10th & probably 9th.

Flowering Almond. Bush in Fruit Street, before noticed in past years, has blossoms. Others have no blossoms. [Others are 11th.

Flowering Cherry at Round Hill House begins to blossom. Flowers double & as large as a small rose - are white.

Leafing - at Fort Hill, & West's Place.

Red Oaks; some have leaves an inch long, but in general, the leaves are only opening, or a few are open.

Scarlet Oaks, show opening leaves, & a few very small leaves.

White Oaks. One tree has opening leaves. Others not so far on.

Chestnuts. Two or three trees have leaves on lower limbs and middle limbs from $\frac{3}{4}$ to 1 inch in length. The other trees have only swelled buds.

Beech Trees. Some small ones have good sized leaves and others have long ragged buds. The large trees, on S. side, have only swelled buds.

Yellow Birch. Some have considerable leaves; others small leaves, & others only opening buds. The catkins are 3 to 4 inches long.

White Birch. One ovate-leaf tree has green leaves; one deltoid leaf tree has only buds. [See June 1, 1850

Black Birch shows only buds.

May 1851.

Thursday 8.

Leaving at Fort Hill & elsewhere.

Whitewood or Tulip Tree. The leaf buds have many of them put forth three leaves, & many only two. There is a fourth leaf in many or most buds, and in some a fifth, I believe, each with its envelope. The flower bud is wrapped up within all these leaves & their envelopes or scales, ^{or sheaths} but many buds are only leaf buds.

Poplar. The Great Tooth Poplars, at Fort Hill, E. side show long, pendant, green aments or catkins but as yet no leaves.

White Poplars have leaves; or female trees.

Silver Poplars have opening leaves & some open.

Butternuts have small leaves, and the catkins are elongating themselves - some $1\frac{1}{2}$ to 2 inches.

Hard Maples in the village. Many are quite green with leaves, or a little reddish with reddish leaves, and some are yellowish in spots by the flowers. Others have smaller leaves, and others have only swelled or opening buds. Some are but little changed.

Red Maples. Some have many leaves; others only swelled or opening buds. Are not so forward as sugar maples.

Striped Maple at Wests. All the lower & middle leaves are open of some size; the upper leaf buds are only opening.

Thornbushes are full of small leaves.

Bass Trees. Some small ones at Fort Hill have leaves. The larger trees have opening buds & swelled buds. Trees at Talbot have opening buds, & more only swelled. The English Linden trees at Brights are similar to the Am. Bass, but not quite so forward. Some buds opening on lower limbs. ^{May 9. many leaves open on Am. Bass. Some on Eng. Bass.}

Elms. Some have leaves and some have only seeds. The greenness increases some. Some trees show very little greenness ~~and~~ English Elms have opening leaves & swelled buds. Less green than others.

Willows are still the most prominent trees in the village, as to greenness.

The Scotch Larch is very green. Hackmatack much less green.

River Poplar. Female trees are full of small narrow green leaves, and long aments. Male trees not quite so green as female.

Apple Trees in the village are as yet only greenish, and some hardly that. Many are quite faintly green, are not so green as some elms, as green as many.

Mountains. The deciduous forests on Torr and Holyoke still have, in the sunshine, a light colored or grey appearance, with a slight tinge of purplish where the land is not very steep. Toward the lower edge of the woods, some trees faintly green, and others whitish can be seen.

Rhubarb. The curled leaf early sort has been used for pies.

May 1851.

Friday 9.

Progress of Vegetation.

Round Hill is nearly as Fort Hill - perhaps not quite so forward.

Oaks, scarlet & probably yellow, show opening buds, and some have open leaves. The color of the foliage is not green but reddish brown &c. Some show only buds.

White Oaks have only swelled buds -

English Oak at Joy's has opening leaves; but those at Brights are not so forward.

Chesnuts. Some shoots 10 or 20 feet high have leaves an inch in length or more; and the lower limbs on a few trees exhibit open leaves. In general, the trees look as they did in winter, or but little changed.

White Birches, back of the hill (deltoid) have not leaves yet. The currents are from 1 to 1 1/2 inch long and as yet stiff & not pendent. Buds of leaves begin to open.

White Birch, ovate, at Round Hill house has small leaves.

Flowering Dogwood at Mr. Joy's has opened the involucre but they are not white & not half grown. The tree that is at Brights is not so far advanced.

Sassafras at Round Hill house, close to the house, is in bloom. Those at Wests are more backward.

Ash Trees show the black bunches, or some do. Others show green leaf buds, and some are but little changed. The bunches, or fascicles, are in the axils of last year's leaves.

Bitternut Hickory (on low grounds) has opening leaves - are small. Buds are small, not like other Hickories.

Pine Oak in the meadow has small leaves & catkins like the other oaks.

Pagets on Round Hill. Some leaf buds are opening.

Shagbarks in meadow show large buds.

Wood Anemone (single flower) has abundant blossoms at R. Hill.

White Violets, some blue - are there.

Liverleaf is in bloom there.

Groundnut (*Panax trifolium*) is abundant at R. Hill, back side but as yet shows only umbels of flower - buds - not flowers.

Speedwell (*Veronica serpyllifolia*) shows its little blossoms plentifully in the grass by road-sides - has but just begun. It is on 7 and 8 abundantly, 10th.

Dandelions } are most abundant in many places
Daisy } Some places almost yellow with Dandelions
Blue Violets } Some are white with innocence.

American Daisy, or *Erigeron* No. 2, show blossoms by Dr. Barrett's front fence. The blue or purplish rays are not fully grown.

Strawberries in garden are in blossom & probably wild ones also.

Grass.

Vernal Grass or *Anthoxanthum odoratum* has shot its spikes or panicles in many places, but seems not yet in blossom.

Carex. One or two kinds show spikes or heads in moist mowings (besides the early sort long since noticed).

Luzula campestris (of the rush tribe) is abundant in several sorts of land, but it likes moisture. Is in flower.

Vernal Grass, May 10. The more forward heads have shot forth white filaments & purple anthers. The anthers will fall - the filaments remain. Is the most plenty on moist land.

May 1851

Friday 9.

The Meadow. I observe that many are planting corn in both meadows; and have been probably some days; or all the week, perhaps. Many are ploughing; some are putting manure in the holes, from the heaps; some spread it & plough it in. All are busy.

Broom Corn. Some are planting, & have been 2 or 3 days, or ^{more}.
Potatoes. ~~have~~ planted some, not extensively.

Tobacco. Some intend to plant tobacco, & more in Hadley & Hatfield.

Gardening is going on generally. Some made gardens some days ago.

Shad are caught abundantly at Say brook. Last week was a great week for shad. They are sold from the seine at 12 $\frac{1}{2}$ cents by the thousand. Some were caught at S. Hadley Falls last week. They cannot come above the Falls. They are said to be very plenty in the North River. Still cheaper there. A middling shad is worth 25 cents here, and many, perhaps, most, are higher. 700 sold here last week, it is said.

[Mr. Nash says they are sent up to Hartford & sold at \$14 per 100.

Chimney Swallows. I have seen several today, but have seen none before this year. Think they must have been here before. When one sang here this morning.

Wood Birds. I heard several on Round Hill today, and saw a blue jay, which is a winter bird, ^{Chewink is here.}

Oriole or Golden Robin. I did not hear his notes until May 11.

Bobolinks I did not hear nor see until May 13. Must have been here some days. Meadow was full of their music.

Saturday 10. Warm two or three days past.

Apple Trees have begun to blossom pretty extensively today. I noticed a few blossoms on 7 or 8 trees near Maple Street, on some tree near Pleasant Street, & on one tree in the meadow. I think some flowers opened yesterday on limbs near buildings.

Crab Apple Trees also began today. Mr. Williston's tree had no blossoms last night; now there is a considerable number.

Barbarea vulgaris, or Winter Cress, has many blossoms today, may have begun yesterday.

Nettle Tree (Geltis). Two trees near the road below Maple Street show no change. No leaf nor blossom. A tree some rods from the road has shot forth from a few branches, green stems an inch or two in length, bearing small leaves and buds & flowers intermingled.

Alexanders are in blossom.
Meadow shows smokes & blazes of burning broomcorn.

May 1851.

Saturday 10.

The Mountain Foliage - seen from Meadow.

See May 11. 13. The general purplish or reddish brown hue of the deciduous forests becomes more distinct. It is the color of the buds & twigs, mingled with other things, I suppose. It was cloudy, P.M.

Trees of a faint green are now distinctly seen on the sides of Torr & Holyoke (beside the evergreens) extending up into the steep, rocky region. I think they are the ovate leaf white birch, which has probably put forth small leaves.

In the Oak region, near the pastures, the tops of the trees exhibit a dirty green and a reddish brown - doubtless the new leaves and catkins of the oaks.

Some trees seem to have whitish tops as usual at this season.

Maples probably add some to the green.

Bulbous Crowfoot. I see two or three blossoms in Mr. Shepherds lot. Also a few in Dr. Barretts lot before his house. May 11.

Sumac. Trees by Rail road have large brown buds, and some are reddish at the end and opening. May be more advanced elsewhere. 10.

Ailanthus has similar buds, but not quite so far advanced as those of sumac. - reddish brown.

The Greenness on the mountains, lower part, could be seen yesterday, & the day before; and I presume the birches were greenish yesterday, if not before. I did not look at them yesterday. 10th.

Weeds in the Meadow. Ninetenths of the herbs growing on land where broom corn grew last year are sorrel, in S. Meadow. Some sorrel has shot up reddish flower stalks. Other plants are Venuspride, Shepherds purse, clover & some grasses, dock, Barbarea, &c.

Miss 18. 378
Weeds in our Garden. Ranunculus, clover, chickweed & Shepherds purse are the most common. Dock, dandelions, some grasses & plantain are there. I refer to the garden not dug up this spring.

The weeds in the meadow & garden that now show themselves, come from roots, and leaves were formed in the autumn. Venuspride may be an exception. Weeds from seeds have hardly begun to show themselves. Some pigweeds & others show themselves under a glass frame but not in exposed places.

Flowering Almond at Bliss's began to blossom May 11 (perhaps 10).
Celandine began to blossom May 10.

Ampelopsis has a few leaves about buildings. May 11.

Celastrus scandens has leaves about buildings - May 11 or 12

Abortive Crowfoot is every where - a most abundant and mean plant. blossoms are abortions & leaves few.

Fringed Polygala is in blossom May 11 - perhaps 10th

Gold Thread is in blossom

We sat without fire on the evening of the 10th. for the first time this year.

May 1857

Sunday 11. - Tutor Edwards of A. Col. preached A.M.
Mr Bullard, S. School agent, P.M.

Monday 12. Vegetation

Locusts. [See May 16. p. 100.]

The Common (Robinia) has small leaves, or some trees have

The Glanney (Robinia) has small leaves, not so large as the other

The Thorny (Gleditsia) has green buds. Some begin
to open - ^{open leaves} May 13 & 14 some.

The Dwarf Locust (Robinia) has small leaves May 13 & 14.

English Cherry. Blossoms are falling. Mostly gone from some trees.

Peach Trees. At thin growth. Blossoms are
falling. Not quite so forward as cherry.

Plum Trees. Many in full blossom. Some are past,
and some not yet full. Mr Shepard's Damson Plum
is in full blossom.

Pear Trees. Blossoms plenty. Not yet fully out.

Apple Trees. Blossoms appear on many trees
in the village - in general only a few on a tree.
The greater part of trees have not begun.

Crab Apple trees, at Willistons & Talbot's make quite
a show, but much of it is from buds partly open,
though many blossoms are open.

Old Red Cherry - not quite full yet.

Superb Quince, at Shepards & Talbot's, is quite red
and fiery, but buds are not all open.

Apricots are now greenish with leaves. The fruit
remained after the petals fell, but seem to have almost
all fallen since.

Quince Trees begin to show small green flower buds.

Chickweed. [See April 27. 1852. May 16. 1853]

There are several sorts of plants that go under
this name in gardens & elsewhere - say some persons.

1 Stellaria media is the common species - almost
always in flower. Oval leaves - flower 5 petalled.
but each is 2 parted, & they seem like 10 petals.
Hairy ridges on the stem, from joint to joint.

2 Cerastium (am not certain about the species) stem
leaves hairy - a deep green, coarse looking plant - not
broad leaved. Leaves opposite & sessile. Pretty common.

3 Another Plant very smooth stem & leaves, flowers with
4 sepals, & perhaps ~~4~~ ⁵ petals divided - all small. Leaves opposite.

4 Veronica Serpyllifolia is also in Mr Shepard's lower Garden.

These four plants are all low, spreading, & grow together in
Mr Shepard's lower Garden - No 2 is not in blossom yet. No.

3 may be a Veronica or Speedwell, as well as No 4 - If so, it
is purslane Speedwell. Has some resemblance to purslane

Shepard's Purslane is most abundant in many places - some of it
two feet high. Full of flowers.

Cows. The herd went into the highways to day for food
under keepers, for the first time this season. Rather late.

Garden made to-day, and all seeds planted
or sowed - Beans, Beets, Lettuce, Squashes, Cucumbers, Corn.

Two removed to-day. P.S. { Beets, & Lettuce ^{some} coming up in 5 days.
Cucumbers on the 8th day. Beans on 11th.
Corn on the 11th. Squashes on the 14th.

May 1851.

Tuesday 13.

Rev. Sylvester Nash, of Essex, came last evening and left us this morning.

I walked over to Hockanum to-day, and ascended Holyoke by the road made last year - most of it ~~to~~ the road that was there before, or in the same place. Left home at 9 & came back at 3½. They are building a new house and Ninepin alley on the mountain, and they convey boards, timber, &c to the top with cattle, horses and a wagon.

The Meadow - near Hockanum Road.

Oats are up, two, three or four inches.

Ploughing, manuring & planting both corn and broom corn are going on, & have been some days. Some manure in holes, some plough in, spread manure, and others, I think many, spread the manure after the land is ploughed and only harrow it in. The manure is mostly taken from large piles & distributed over the lots, but some is now carried from the barn yard.

Potatoes. They plant but few in the meadow apparently, so many have rotted in years past.

Drill machine. I saw one at work planting broom-corn, and afterwards Indian corn. It was drawn by a horse & dropped the seeds in the proper places, and covered them & flattened the earth.

Clover, Hardsgrass & other good grasses in ploughed meadow on good land, are 5, 6, & 7 inches high & rank.

Rye is from one to two feet high - the best pieces are two feet & some stalks higher. No heads are out, but the swelling they make in the stalks near the top is visible.

Weeds on unploughed land, where corn or broom-corn grew last year. The number & rankness of weeds depends much on the care taken of the crops last year.

Common Sorrel very plenty; little wood sorrel.

Glover, Poa annua & other grasses, & carex.

Stellaria and Cerastium, the two kinds of chickweed on the preceding page. Pansy. Speedwell, the same that is on preceding page.

Shepherd's Purse, Plantain, Dock, 3 leaf five finger,

Erigeron or Fleabane, Dandelion, Venus Pride,

Barbarea, Mullein, Canada Thistle, Oxeye daisy.

Cerastium Chickweed is in blossom: blossoms look like the stellaria - 5 petals each with two divisions.

Dandelions, Venus Pride &c flowers in grassland, but not many.

Middle Meadow.

The grass is not tall nor thick - much old tow seen, will not compare with the grass in ploughed or upper meadow, where the land is good. The Quack grass or Priticum repens, makes more show than other kinds but is not tall nor very prominent.

The flowers are Dandelions most abundant on high & low ground (not in swampy land) are seen far & near, Venus Pride, on higher parts, little Barbarea, Life everlasting, white & blue violets - Erigeron not in blossom. Horsetail not.

Flowers are on the W. or N.W. half of the meadow; the S. or S.E. side or half has very few flowers. Flowers and quack do not grow together.

May 1851

Tuesday 13.

Hockanum. The Apple Trees as farward as in Northampton - about the same.

Hockanum Pastures. Show a great abundance of five finger flowers, Dandelions, Venus Prides, and near the woods two kinds of blue violets, and near the bottom, another kind. (See May 14. 1851)

Mount Holyoke.

^{See May 1. 9. 10.} Chestnut Trees in the pastures & edge of woods have leaves in all parts, in general; by the side of the mountain road, up higher, some, not the largest, have leaves all over; others on the lower limbs only; some have none, up near the top, where are a few Chestnuts, small trees 10 or 20 feet high have leaves; large trees have none, or a few on lower limbs.

Oaks. Red, Scarlet, yellow. All these show leaves, and many catkins, on lower part of mountain; and almost all to the top of the mountain, & on backside. Leaves not so large on upper part as below, & a few trees have not yet put forth leaves. Leaves are a pale green, & a light or whitish green, reddish green, reddish brown, yellowish green, &c. As seen from the meadow, the Oak region near the northern pastures of Hockanum, is generally greenish, but pale green, dingy green, russet green, brownish green, &c. A very different green from that of the birches. Many trees in or near the Oak region have whitish, or light colored tops. Are these Oaks?

To look down upon the tops of oaks from the summit, they appear greener than when viewed from N.H. meadows but still a dingy or light green.

The Oaks generally show themselves at a distance; the Chestnuts do not.

White Oaks. Many have only swelled buds, and some not that, but a few trees near the bottom & near the top of the mountain have lower limbs with small reddish leaves, "as large as a mouse's ear," indicating that planting time has come even near the mountain. Some in Northampton are more advanced.

Shrub Oaks on the summit show only clusters of catkins from $\frac{1}{4}$ to $\frac{1}{2}$ inch long.

Maples, only hard ones seen. At the lower part, and up higher, sugar maples varied much. Some had large green, or almost green leaves, some had small leaves, & others had no leaves, as in Northampton, a few days since. Those on back side of mountain near top, had small leaves.

Striped Maple } These are quite green with leaves;
Spiked Maple } and striped has pendant strings of flower buds.

Butternut has small leaves wherever seen, near top or far below the summit.

May 1857.

Tuesday 13. Mt-Holyoke-con.

Birches.

White Birch (ovate leaf has been in leaf some days, from the top to the bottom of the mountain - many trees are quite green, even just below the summit; the green is quite vivid & bright, though not a dark green, as seen from Northampton - and distinguishes them from oaks, & most maples, or all. Some trees, however, have as yet only small leaves, & but just open.

Black Birch. These trees have small leaves, or no leaves. Perhaps half of each. Do not make much show yet; there may be a few exceptions. Some show catkins.

Walnut or Hickory - Pig nut & others. They are nearly the same from bottom to top. In general they show only large, long buds $1\frac{1}{2}$ inch long, and $\frac{1}{2}$ inch in diameter. Some buds are opening & ragged; and a few are open, and small leaves are seen. These three sorts, or states of forwardness, may be seen on the summit & backside of the mountain, but more buds are much the most plenty.

Ash Trees. Some show little or nothing. Some have black bunches, or greenish bunches and small leaves opening. Some have opening buds or small leaves only.

Bass. Some Trees have small leaves and some have no leaves yet. Side of mountain.

Iron Wood is full of small leaves. Side of mt.

Sumac on the summit has small leaves.

The Nettle Tree on the summit is full of green leaf & flower buds, not developed.

Flowering Dogwood, on side, has open involucre but they are not yet white.

Alternate leaf? Dogwood on the summit has plenty of leaves and clusters of flower buds.

Wild Cherry, smooth bark & racemes, near summit, are not in blossom, but the former are very near it.

The Backside of the mountain makes but little show of green. Walnut-buds, Oak leaves & buds, and some small maples with leaves, make about all the green there is a few butternuts are greenish.

The backside of peaks farther east show but a faint green beside the evergreen. They have changed color & seem to have intermingled the brown of the trees and the greenish, reddish, &c. of the buds & leaves. are a little green, some reddish and much brown.

May 1857.

Tuesday 13. Mt. Holyoke, cont.

Flowers.

Blue Violets extend to edge of woods.

Yellow Violets, tall, are plenty by mt. path

Strawberries are by side of the mt. road, and many on the summit rocks - in blossom.

Red Anemones (many flowered) are on the side of the mountain, and on summit, and near it, on rocks.

Venus Pride on summit

Columbines ~~many~~, on summit rocks. Some in blossom & some not.

Blue Violet, ovate cordate leaf, pubescent, is on summit rocks.

Early Crowfoot (*R. fascicularis*) is abundant all about the rocky summit, & a little below - more showy than other crowfoot flowers, perhaps. Is on rocks.

Early Saxifrage is most abundant all about the rocks of the summit & a little below. Some stems 6, 8 or 10 inches high.

Candebans plenty on rocks a little below the top, & some on the top.

Everlasting is on the top rocks.

Stinking Cranes Bill is on rocks, near summit but not yet in blossom.

Crowfoot *Gercinium* - has buds for flowers on top. ^{Golden Senecio. One variety is in blossom on the top rocks} ^(or something similar)

Solomon's Seal or *Polygonatum multiflorum* is abundant on the rocks, on the summit and near it, with its curved top and buds hanging down below the leaves from the axils. No flowers yet. Some do not yet disclose the buds.

The low Solomon's Seal plenty - not in blossom

Liverleaf, on side & near summit, but blossoms nearly all gone. Only two seen.

Twin Flower on side of Mt. Very green with leaves, and blossoms remain.

Shed bushes in full blossom, just below the summit rock in front.

It is strange that so many herbs & flowers should delight to grow in the crevices of the summit rocks of Holyoke.

Birds were not seen nor heard near the summit except one a little below. Their music was heard far below. Jays screamed.

Bobolinks plenty on both sides of river. Not heard before.

Barren Swallows are plenty at Hockanum and some in N.H. meadow. Few or none in N.H. village.

Crows fly from Holyoke to N.H. meadow, in winter as well as in spring, the ferryman says.

Red squirrels are heard on side of Mountain.

Yellow Butterflies are in N.H. meadow, & in Holyoke, Easton.

Large black fly on Holyoke summit.

May 1857.

Tuesday 13. — continued. Vegetation, &c.

Deciduous forests as seen from Holyoke about the Connecticut valley, are of the colors made by green leaves, reddish leaves, buds, twigs, &c. Some trees are quite green, but most, especially where oaks & chestnuts grow, are of a dingy green, reddish brown, & other browns. A russet tinge is common. Owing to fog or smoke, I could not see the more distant hills, around the valley.

Valley Street: The rows of shade trees were of a dingy green, as seen from Holyoke.

Northampton Meadows, from same point, are all green or brown — That is, grass & grain are green and ploughed land brown. Some spots yet brownish among grass. Oats show a little green, or some pieces do not much.

Mount Tarn seems to be similar to Holyoke, as far as I could examine it.

Chestnuts. Where there are most of the trees, the woods are not green as seen from the meadow or mountains. I refer to those on the mountains. Have still much of the grey, brown, &c. but have a deeper tinge, in some places, as purplish, &c.

The steep side of the mountains just below the evergreens is more green than the chestnut region that is lower, the birches (white) and oaks being full of leaves. Some green birches & maples & greenish oaks are among the chestnuts, but are more plenty on higher, steeper land, especially birches & oaks.

The difference in vegetation between the bottom & top of Holyoke is not more than one or two days in many things; in some there is more difference — probably three or four days, given weather.

The trees in Holyoke pastures & lower edge of woods do not differ much from those on Round Hill as to foliage.

Round Hill Trees, seen from S. and W. May 14 exhibit a mixture of several shades of green (reddish, brownish, yellowish, whitish) with several shades of brown. The whole is a dingy green, or much of the hill has that tinge, made by a mixture of the color of twigs, buds, leaves, catkins, &c.

Woods on Mount Warner & other places that are somewhat distant are somewhat similar, but seem to have more of the russet or reddish brown, May 14.

Mr. Nash from Saybrook thinks vegetation is as farward here as there, or about the same.

May 1857

Wednesday 14. Progress of Vegetation.

Greenness is general now in the village; almost all trees and shrubs are green, or greenish. The warm weather & rains have advanced vegetation very much in a few days.

Trees & shrubs not green, & not in leaf. Mulberry, Osage Orange, Syrian Hibiscus or Althea, Trumpet-flower, Gleditschia, Button wood, Piperidge (back of Round Hill), some walnuts, maples. Catalpa. Helianthus.

Trees and shrubs with leaves, but not green at a little distance. — Locust common and clammy; some hard red maples, a few elms, a few peach trees, some apple & other trees full of blossoms. Ash.

Horse Chestnuts are all green, and two at Brights begin to blossom.

Button woods — most have opening buds; some small trees have open leaves.

Gleditschia Locust has some open leaves to day & yesterday.

Round Hill.

Chestnuts. The greater part of trees have leaves on all the branches, but the lower limbs have the largest leaves. Some leaves 2 inches long or more. — Some trees have leaves only on the lower limbs, and a few have no leaves.

Oaks. The red, scarlet & yellow Oaks are nearly all in leaf (a few exceptions) with abundance of catkins. Leaves differ in hue — pale green, reddish & brownish green, yellowish green, &c.

White Oaks. Most are in leaf, but some not. Leaves generally quite small. Some trees have leaves of some size on lower limbs, not only as large as a mouse's ear but $1\frac{1}{4}$ inch long & over $\frac{1}{2}$ inch wide. These leaves were as large as a mouse's ear two or three day ago. Some leaves are reddish both sides; some on upper side; most are white or whitish on lower side, & some are white & red on upper side. Catkins are an inch long.

English Oaks in Joy's lot is full of green leaves and catkins. Leaves an inch long and catkins $\frac{3}{4}$ to $1\frac{1}{2}$ inch.

English Oaks at Bright's. Some have small leaves and others have opening buds, or swelled buds.

White Birches, Deltoid leaf, back of Round Hill, are green with leaves, and have dangling catkins.

Pignuts on Round Hill — some have open leaves, some not.

Shag Bark in Joy's lot has open leaves.

Sugar Maples on Round Hill are in leaf.

Magnolia at Round Hill House, has large buds 3 or 4 inches long, with some leaves open or opening, ~~on~~ the outside of the bud.

Smoke Trees have small leaves — have held two or three days.

Spiked maple shows spikes of buds — more forward than on the mountain. These at Round Hill House.

Magnolia glauca at Talbot's has buds $1\frac{1}{2}$ inch long, & each bud has shot out a leaf, small, from its side.

Cucumber Tree, Market Street, has flower buds, long, and one or two leaves to each bud.

May 1851

Wednesday 14 - Vegetation, continued.

Flowers.

Grain Apples are in full blossoms - some falling. ^{These very white}
Corn Apples. Blossoms increase very fast. Some trees are quite full, and some have not begun.

Eng. Cherries. Blossoms almost all fallen.

Old Red Cherries. Blossoms begin to fall.

Plums. Blossoms falling & fallen

Pears. Blossoms about full.

Peaches. Many blossoms fallen. Some remain. Have been sparse, and have not given much color to the village

Japan Quince - in full & fiery glory.

Judas Trees at Round Hill & Joy's. The former began to blossom to-day. The branches are all full of red buds and some blossoms, and no leaves except a few small ones at end of twigs.

Twin Flower or Fly Honeysuckle, at Talbot's, (not the wild one) shows three or four flowers. ^{Only 10 or 12 blossoms all day 15}

Kelceia at Talbot's begins to blossom.

Horse Chestnuts. Two at Bright's have begun to blossom

Lilacs, purple, have begun to blossom - probably began yesterday, near buildings.

Lilacs, white, have also begun to blossom.

Flowering Apple at Talbot's has just begun to flower.

Tulips. The common Tulip did not begin to blossom until May 12, except two or three before noticed. Blossoms are not numerous now and Mr. Shepard has few, yet, or only 3 or 4.

Lily of the Valley, just begins to blossom at Talbot's. I have seen only two flowers. [20 flowers observed May 15.]

Cruciform flower yellow at Bright's.

Cruciform flower red or purple at do. Satin Flower.

Low early Whortleberry is in blossom on Round Hill and elsewhere.

Tall Whortleberry is in blossom in some places.

Dandelions are abundant, and make some meadows almost yellow in spots - even acres.

Crowfoot, bulbous, shows a number of blossoms in Talbot's mowing, opposite H. & Wright's lot. More there than elsewhere.

Crowfoot, the common tall, (R. Acris) is in blossom in the place just named - 5 or 6 plants.

Bellwort (*Utricularia sessilifolia*) is in blossom. Round Hill

Groundnut (*Panax trifolium*) is in blossom. Back of R. Hill

Blue Violet, with flowers on a leaf stem, is do. Back do.

Gold Thread continues in blossom - Back of do

Wood Anemone, Fivefinger, &c. continue on R. Hill.

Flowering Dogwood. Mr. Joy's upper tree has now large involucre, which are considerably white but will be more so. Mr. Bright's tree is no more advanced than those on the side of Holyoke, P.S. It is growing white, or involucre are, May 15.

Wild Strawberries are in blossom in very many places.

May 1857.

Wednesday 14. Vegetation, &c.

Poa Pratensis shows panicles near buildings and fences. Not fully out. Not many seen in A.M.

Vernal Grass is abundant in all the mowings west of King Street, to Round Hill, and is plenty in other places. It is at Hocanum, & in upper part of N.H. meadow, but in general, does not appear much in meadows.

In home lots it is taller now than the other grasses, and is prominent, giving to large spots, sometimes a large portion of a lot, a brown appearance. The brown at present is a brown slightly reddish. It is more or less in blossom.

Carex of several species shows heads in wet mowings, and in dry land also.

Walked out to see Frances & children, P.M.

Poa pratensis shows panicles in many places, by the side of the road, but not fully out. Perhaps some are *Poa compressa*.

Fly Honeysuckle, wild (*Xylosteum ciliata*) is full of green leaves & has blossoms, by the road, near the woods, not far from 1st silk factory. I had not found before this plant, on this side the river.

Water Avena, is in blossom by the side of the brook in the hollow. Just begun.

Heartleaved Tiarella has just begun to blossom in the woods, near first silk factory.

Thelypodium Pennsylvanicum, has shot up its long stems or scapes, by road side, near Bensonville, and some are apparently in blossom, or near it.

Polygala pauciflora, or fringed P. is not quite in blossom in woods mentioned above - near it.

Shadblow. most of blossoms have fallen. Some remain, especially on plants two feet high.

Wild Cherry, smooth bark and umbellate, follows Shadbush as to blossoms as usual. Many trees in full blossom; some passed, & some not full. The rough bark, racemed species are not yet in blossom.

One worm nest seen on a wild cherry, the only one I have seen this year.

Woods near first silk factory are generally in leaf, but not all, and leaves rather small. Some chestnuts & white oaks have not leaves.

Poplars, great teeth, in the same woods, have in general no leaves - are quite bare. A few trees have whitish leaves, or some white and some greenish. Small trees by road have white leaves.

Above Damon's Mill, the female great teeth poplars have green catkins, and whitish, downy leaves not fully unfolded; and the male trees have no leaves. Those in the woods, above referred to may be of both kinds, barren & fertile, or male and female.

May 1851

Wednesday 14. Vegetation &c.

White Oaks by the road side or not far from it, between here and Bensonville, almost all have small leaves, but not all in the woods. The leaves are generally red or whitish, or a mixture of both, and the lower leaves are usually more red than higher ones.

White Oak leaves become as large as a mouse's ear about the time that Apple trees begin to blossom. The blossoming may have begun a day or two first, this year. There is seldom more difference than that.

Moss on Trees does not always correspond with my remarks made April 20. The trees in some woods seem not to be mossy. In some places, the moss is N. side, or almost N.E. side.

Asp Trees. The dark bunches have expanded and become greenish, & probably have changed into flowers. Leaves on such trees are opening. Trees without bunches seem to have more foliage, and some shoot forth flowers without showing any dark bunches. One such tree is in highway opposite Unitarian meeting house, and is green with leaves, and full of green inflorescence. This tree usually bears seeds. Some trees have little or no green. There may be more than one species of Ash in the village. Some dark bunches still remain.

Red Maples in the village, & on the way to Bensonville, are not very conspicuous as to leaves or flowers. Their leaves are not so forward as the hard maple, and on many trees they are small, especially on trees that were full of flowers. Of trees that were full of flowers, many have but few seeds & some have none; and those that have plenty of seeds are in general not very red, the seeds being only partially red on many trees.

Tulip Trees. The most forward trees have unfolded four leaves from many buds, and five from a few; from others only two or three. Where there is a flower bud I find only four leaves. The prominent buds where there is no flower bud, have some of them unfolded five leaves, and I find at least two more still wrapped up in sheaths, making seven, and perhaps another. Minor side buds have only 2, 3 or 4 leaves. When the leaves are all unfolded, they are found alternately or irregularly placed on a stem some inches in length, and for a time, the sheaths or wrappers remain on the stem, a pair between every two buds. leaves.

See May 24. Oct 16.

P.S. Doct Bigelow says: "The buds which terminate the branches are usually sub-oval, & flattened out, adnate at the extremity. These buds are made up of a number of consecutive sheaths, each of which contains a single miniature leaf between it and the next interior sheath, which is folded up & bent down upon one side of it. In the spring the sheaths swell to a large size before bursting, & then liberate the leaves one at a time, the remains of each sheath becoming converted into a stipule."

Thursday, May 15, 1857.

Vegetation - Fort Hill & Wests.

All Trees at Fort Hill may be said to have put forth leaves, and all shrubs. The exceptions are very few if any. But many trees are not green at a distance, though all have changed color.

Oaks, red, scarlet, & yellow if there, are in leaf and some quite green, with leaves from 2 to 3 inches in length and some $3\frac{1}{2}$ inches. Red Oaks have the largest leaves. The leaves on many trees are only pale green; on others they are very light colored green, ~~at some~~ some have an approach to yellowish, and some have a little reddish ~~on~~ a portion of those on a tree have this hue.

White Oaks. The tree noticed May 8, has leaves more than two inches in length. The lower ones have some red; the upper ones are very light colored, yet not white. There is not much green in the white Oak leaves. The leaves of other trees are smaller.

Chestnut. Some trees have lower leaves 2, $2\frac{1}{2}$ and 3 inches in length; many have small leaves, about an inch, or a little more. Some Chestnuts are green at a distance; but many are but faintly green Woods distant. The brown of the branches overpowers the green of the leaves, which are not very thick and are small. Yet there is a change in color, where the green is not seen.

Beech Trees, are full of good sized leaves - have come on fast. Most green of any tree there.

Poplars (*grandidentata*). The female poplars retain their green catkins and have green leaves, with some whitish ones - are generally green. Two or three trees, some distance south of these, near lower end of East side hill, have no leaves nor catkins; may have leaf buds. I conclude these are males.

Bitternut. I find a number of this species of Hickory at Fort Hill, on E. and S. hill - some at the top of the hill or bank. They all have small leaves but do not make much show.

Shagbark Hickory. These trees that I saw in the meadow, had opened their large buds, and were in leaf. There are some however in or near the village that show no green yet.

Pignuts are generally in leaf.

Butternuts display long, loose dangling catkins.

Smooth Bark Cherry in blossom; other kinds not.

Ash Trees are various; many have not green though all or nearly all have small leaves. Perhaps a few have only opening leaves, or swelled buds.

Black Birch has only small leaves.

Striped Maple at Wests, has strings of flowers, which as yet are yellowish green (color of some oak leaves).

Judas Bush at Wests has a few flowers & a few small leaves.

Prinos *Verticillatus* at Wests has just begun to open leaves.

Spice Bush at do. has small leaves. Flowers gone.

Slippery Elm has leaves.

Sumac has leaves 3+4 inches long & many leaflets.

May 1851.

Thursday 15 Vegetation.

Fort Hill and Wests, &c.

Flowers

Crowfoot *Geranium*. I found a number of flowers.
Trillium. The few that are found seem to be old ones,
perhaps two weeks old.

Banberry shows racemes of flowers; but in general
only buds.

Black Elder nut - has a few flowers open - not many.

Striped Maple. Flowers nearly all open.

Wake Robin is plenty. Spadix is green or purple.

Early Meadow Rue. Flowers are almost all gone.

The early Beel Straw at Fort Hill, shows small
white flowers. Stem & leaves are rough - not smooth.
This seems *Galium Aparine*.

Bell wort, sessile, is in flower at Fort Hill

Robinson's Seal. (*Gracimosa*) shows raceme of buds.

Ovate Leaf Violet, grows on the top of Fort Hill. Leaves
are ovate, not cordate at all. Do not answer the book
description.

Hood leaved Violet is on the lower part of the Hill.

Celandine in flower at foot of the hill.

Peony. The single Peony (divorced leaf) is
in bloom at Wests. Three or four blossoms.

Italian Johnswort at Wests, has a few blossoms on
one branch.

Pyrus arbutifolia is almost ready to blossom at W.

Satin Flower - has been in bloom some days at
Mrs. Woodward's and elsewhere. A *Lunaria*.
A hairy plant.

Low Phlox of one species is in flower at Wests -
pink blossoms, on stems 5 inches high. It resembles
moss pink, in some respects, & may be a variety
of *Phlox subulata*. Has been in bloom some time.

Polemonium, has sky-blue flowers at Wests; stem
about 6 inches high.

Creeping Phlox is in bloom at Mrs. Woodward's.
It creeps along the ground, but shoots up stiff stems
6 to 8 inches high.

Black Currant is in flower at Mrs. Woodward's.
The flowers are bell-shaped - seems to be the
R. floridum, or Wild Black Currant. The bracts are
longer than pedicels.

Lilac begins to blossom at Wests at a distance
from buildings.

Sarsaparilla has shot up a stalk with leaves
and a scape with umbels of flower buds.

Twin Flower not in blossom at Wests & Woodward's.

Rye, in the best pieces, on S. Street home lots, shows
the end of the heads.

May 1857.

Thursday 15— Vegetation

Flowers.

Daffodils are mostly gone. The one with Cuprite petals and a small yellow cup with a reddish edge, remains. Seems to be Poet's Narcissus.

Primulas are still plenty.

Moss Pink (aphlox) is near its full glory.

Snow Flake. This delicate flower is quite plenty.

Balsy's Breath with ovoid flowers is common.

It is a hyacinth, I think, probably *H. racemosus*.

Other hyacinths are gone.

Garden Violets, tricolor, blue, &c. are common. Some are beautiful.

Early Dwarf Iris. Many flowers remain, but they are fading.

Periwinkles are plenty.

Tulips, which did not fairly begin to blossom until the 12th, have now hundreds of flowers, but not $\frac{1}{5}$ of the buds are open. Mr. Shepard has only 12 or 14 bloss.

Flowering Almond. Some bushes are in full blossom, but in general, they are not yet full.

Globe Flower is out at Bright's—so called. Yellow.

Japan Quince is yet bright, but a few flowers begin to fade.

See preceding page, and May 14.

Apple blossoms make much show in the village. Some seem to be in full blossom, but in general trees are not full.

Columbines, like the wild ones, are in flower in gardens.

Grasses.

Poa annua has shown panicles since last week in March & is full. It is in some gardens, yards, road sides, &c.

Vernal grass came next; had panicles first week in May. Is now very plenty, and shows an abundance of brownish spicate panicles, and many in blossom.

Poa pratensis did not exhibit panicles until yesterday. Now many are seen about houses, fences, road-sides, viz. in warm early places. The green bank or turfed place before some houses is almost covered with these panicles, yet I have seen none entirely out of the sheath. Only half or two thirds is visible. I notice no panicles in the middle of lots.

Alopecurus Pratensis, shows its spikes by the brook in Mr. Bright's lot. Stems 12 to 16 inches high, and spikes show the white filaments of the blossoms plentifully.

Orchard Grass shows heads not fully out by West's road and near Mrs. Woodward's. Only a part of the head visible.

Carex or Sedge, of several species, has shot up flower stems, with a spike or other inflorescence, on both wet land and dry. Some swampy places in mowings are brown with these heads.

May 1851.

Thursday 15. Vegetation, &c
Erigerons, or Fleabanes.

E. Philadelphicum, or No. 2. was noticed May 9.
is seen in many places, in mowings and
elsewhere. Has but few blossoms yet. Is
abundant in Talbot's mowing, with drooping
flower buds, and a very few upright flowers.
Two or three such flowers in Mr. Sheppard's lot.
The rays of these flowers are not fully grown.
This erigeron likes good soil.

E. bellidifolium, or Robert's Plantain, is a
little earlier than the preceding. Fleabane No. 1.
grows on lean, hilly land, and not much of
it is seen on good lands in the village. I
found some to day on a turf soil, hard,
near Fort Hill. May have been out some days.

Crowfoots or Buttercups.

Ranunculus bulbosus shows many flowers
in Dr. Barrett's lot, & some in Talbot's, Dr. Watkins
and doubtless others. But is not generally out.

R. acris. I have noticed only about a dozen
plants in blossom, & these in Talbot's lot.

Dandelions begin to go to seed.

P.S. on 19th, white seed heads were very thick & yellow flowers.

Rilwort Plantain. The mowing in front of Round Hill
house is full of it. It has shot up scapes & spikes,
and a very few anthers or blossoms are seen.

Catbirds I have seen and heard for the first time
to day. — I do not understand why birds come
so late, this year; or rather, why I discover them
so late in the season. P.S.

Woodbirds are heard some in the village.

Red Squirrels & I see both kinds on Round Hill.
Striped Squirrels

P.S. within a day or two, the catbird made more music
than any other bird in the village.

P.S. Two Humming Birds seen on Mr. Wright's Horse
chestnut, May 19. First I have seen.

Comparison of seasons.

Vegetation, May 15, corresponds very nearly
with May 24. 1850. or 9 days earlier.

with May 21. 1849 or 6 days earlier.

with May 12. 1848 or 3 days later.

with May 21. 1847 or 6 days earlier

with May 6. 1846 or 9 days later.

Difference of extremes 18 days.

Planting was generally done in the
fortnight from Monday May 5 to Saturday May 17.
Some was done before May 5, and some ^{people} will
be planting a week hence. May 17.

May 1857

Friday 16

Saturday 17 Horace Wright here from Syracuse.

Sunday 18. Mrs Swift. Services ^{h. m.} 1.20 & ^{h. m.} 1.15

Monday 19

Vegetation - Blossoms.

Crab Apples - Blossoms have more than half fallen.

Com. Apples. Trees were in full blossom about yesterday, May 18, or perhaps Saturday 17th.

Not a full blowth. Many trees do not blossom.

Quince Trees. Mr Shepard's and others began to blossom to-day. Full of reddish buds.

Peach, Pear, Plum Blossoms have almost all old Red Cherry } fallen from these trees.

Flowering Almonds, are passed the full.

Flowering Dogwoods, - are now quite white.

Twin Flower. All bushes show blossoms, but they are not plenty.

Persian Lilac begins to blossom on several bushes.

Common Lilac not yet full - perhaps $\frac{2}{3}$ or $\frac{3}{4}$.

Tulips are generally in blossom - some buds not open, are near full blossom

Flower de Luce (Iris) begins to blossom, the light colored. A number out at two or three places. Perhaps out 18.

Narcissus flowers are out with 15 or 20 white petals and no sign of a cup - are neat. One on a stalk.

Azalea Honeysuckle has some blossoms at West & elsewhere

Apple Trees. on further examination I find that flowers are fast falling, & many have fallen. The full blowth was as far back as the 17th.

Fleabane or Erigeron, No. 2. now shows itself in grass and elsewhere, in most lots. The buds always droop or hang down, until the blue rays appear; they then stand erect. Blossoms fully out, or erect are not yet plenty, but buds are most abundant.

Fleabane No. 1. or Robert's Plantain, does not show itself much about the village. Some at Fort Hill & Round Hill

Bulbous Crowfoot is now very plenty; Mr Bright's lot is almost yellow with blossoms. Black's, Joy's.

Common Crowfoot (R. toxicaria) increases, but is nowhere plenty in blossom.

Racemed Cherry. 2 feet high, is in blossom at Fort Hill. The taller racemed trees not in flower.

Sarsaparilla shows blossoms at Fort Hill.

Pyrus arbutifolia (scarlet anthers) is in blossom at Fort Hill and mansion house and Round Hill; began a day or two since.

Bladder Nut. Buds generally open - not all.

Sassafras has blossoms & leaves at Fort Hill; and they remain at Round Hill, but more advanced.

Horse Chestnuts have generally begun to blossom but not all trees. Some trees, besides the very early ones, began a day or two since, & are almost full.

The Mountain Ash at Hinkle's shows blossoms. Some others are near blossoming. Yes, some have begun.

May 1851

Monday 19. — Vegetation continued.

Snow Ball bushes are full of bunches of green flowers.

Butternut wood generally has leaves, and trees are greenish.

Silanthus has had small leaves one or two days.

Eledotrichia is full of leaves — greenish.

Syring Hibiscus has small leaves. ^{Not green}

W. Mulberry has small leaves & catkins.

Trumpet Flower has a few leaves (at Mr. Allen's)

Forest Trees and shrubs at Front Hill are all green or greenish, except the male trees of the Great Teeth Poplar, & they have a few small leaves.

White Oaks have light-colored leaves.

Chesnuts. Some are quite green, and some have more brown than green, yet are faintly greenish. Those on Round Hill appear to be green or greenish.

Chesnut Trees on the mountains, where ~~are~~ very few other trees, are brown with a very faint tint of green — hardly perceptible in some places. The other forest trees seem to be green or greenish, but there is yet much dingy green.

All Trees & Shrubs may be said to be in leaf now, as the exceptions are rare. And almost all are more or less green at a distance.

Sage Orange is about the latest shrub in the village. It has very small leaves, hardly open.

English Oaks. One of these at Brights, viz the one standing at the S. or S.W. part of the clump, near the path has no leaves. The others in the clump are green, more or less.

Catalpa exhibits small leaves. ^{Not green.}

Barberry bushes are blossoming — just begun.

Italian Spiraea, called Prim. Plants are generally in blossom. Some have few blossoms & some many.

The Thornbush is in blossom at Mansion House, and Round Hill. Probably elsewhere.

Trees on Round Hill are all in leaf, but the leaves of many chesnuts and of some white Oaks are so sparse & small, that they would be very faintly green, if at all, at a distance, if seen by themselves. Do not differ much from those on the mountains.

Chesnuts. The more forward trees on the hill show catkins 1 inch and $1\frac{1}{4}$ inch in length very plenty.

White Oaks on Round Hill. Their leaves are generally a very light green, with some reddish on the lower leaves. The light colored leaves are many of them whitish, at least. — No Oaks are more backward than some chesnuts.

May 1831

Tuesday 20. Vegetation.

Rocket is in blossom at Joss and Brights.

Tridentales Americana is in blossom in Round Hill woods.

Trumpet Honeysuckle. begins to blossom at Round Hill establishment and Mr. Joy's. Only a few flowers open. Not open on King St.

The white *Narcissus* with 6 petals + a shallow yellowish cup with a scarlet border still continues in blossom; as well as those noticed yesterday.

Primulas are yet plenty, & many of them fresh. There are several sorts.

Whortleberry, between the low & high, is in blossom in Round Hill Woods. Outside of flowers reddish.

Globe Flower. The yellow flowers are common. Seems to be the *Trollius Europaeus*.

Crowfoot *Geranium*, is seen in several places, but is not yet plenty in flower.

Flea Cane or *Erigerons*.

No 1 or Robust Plantain is about Round Hill, in mowing and elsewhere. A little at Joss. It is commonly found on the lean sides of banks, knolls & hills, but is sometimes found in good soil. A little earlier than No. 2. but there is not much difference in about this village.

No. 2. is much more plenty - likes good soil - is in our homelots, & by roads, fences, houses, &c. Thousands of the plants may now be seen, very reverently or modestly bowing their heads of buds. The blossoms are erect. When the rays become purplish, & considerably, though not fully, developed, the flower ceases to droop & subside, but lifts itself up in its pride & stands erect, and sometimes lifts up partially the buds that are near it on the same branch; indeed its upright movement, usually affects the buds near it; and when another bud has arrived at the proper state, that leaves also the humble, drooping buds around it, and takes an erect posture by the side of the other. — Blossoms are not very plenty yet but are fast increasing. Later species show stems & leaves.

Weeds in mowings, in homelots, or Plants not grasses, nor clover.

Musc. 18.
p. 328

Dock, Crowfoot or Butter cups, Barbairee, Alexanders, Meadow Rue, Dandelion, Innocence, Ribwort Plantain (said to make good fodder) *Erigeron* or Flea Cane (at least 3 species are now seen) Blue violets, *Veronica* or Speedwell,

Sweet Cicelyⁱⁿ blossom in some places.

Grasses.

The Vernal Grass is very prominent, making large places brown & some reddish brown. There is some brown in the spike or panicle; and the anthers at first are purple & turn brown, and many of the long anthers adhere to the panicle, & thus help to give a brown hue to the grass.

Poa Pratensis. The panicles multiply fast.

Orchard Grass. Panicles are seen in part in many places. Few or none are entirely out.

May 1851

Tues day 20. Vegetation.

Butternuts. The long dangling catkins begin to fall.

Walnuts, viz. Bitternut } all have catkins.
Shagbark, Pignut } probably came out almost
as soon as the leaves.

Meadow Wild Plums. Blossoms mostly fallen
Seem to have blossomed soon after the other plums.

Nettle Trees below Maple Street, are pretty full
of small leaves. Blossoms I did not see.

Maple Leaves. I observe that white maple
leaves ~~are~~ not as yet whitish or silvery
on the underside. Hard maples the same.
The lower side of the leaves is green though
not perhaps quite so green as the upper side;
but a very little lighter. Have begun to change
perhaps.

Black Mulberry, Round Hill, shows small
leaves & catkins.

Mountain Maple bushes at Round Hill es-
tablishment begin to blossom.

Nucleus Tree at Round Hill House, has a
fine appearance; every branch & twig
is full of blossoms, and not a single
leaf among them, but a few small ones at the
ends of the limbs above or beyond the flowers.
This tree is 8 or 9 feet high.

Barbarea vulgaris. I notice that these
yellow flowers are very abundant by Mill River,
by the Rail Road, by ravines & ditches in
the meadow, and in some upland snowings.

Sorrel forms large reddish spots in the meadow
now, ~~not~~ so red as they will be.

Vernal Grass is plenty on the two upper
lots in the meadow, near Apthorps, viz. Strong's
lot and Apthorps lot opposite, and makes them
quite brown. These have not been ploughed
for many years. Lots below them, now in
grass, but ploughed two or three years since,
have not this vernal grass. It seems that
occasional overflows alone do not drive
out this grass.

Flowering Almond is still full of flowers, though
passed the full blowth. A few have partially withered.

Tulips are in full blossom - a few small
buds not open. Much tea smell.

P.S. May 20. Blossoms became more open or spreading - as they always do.

Matrimony line has been in blossom 2 or 3 days.

The season 11 days earlier than last year - perhaps 12

A glorious golden sunset this evening.

Evening Noises. I hear only frog peeping and
frog trilling.

Millay strike against the windows, in evening.
and perhaps other insects.

May 1851

Wednesday 21.

Mount Holyoke.

Brother Matthews and I walked to the top of Holyoke, P.M.

All the trees & shrubs on the side, top and backside have put forth leaves. I saw no exception. Many have catkins.

Many Chestnuts still have small leaves, and seen in N.H. meadow, have more brown than green - but slightly tinged with green.

Some white Oaks have quite small leaves.

Oaks, not white, are all green, but of many different shades of green.

Birches make the most clear & vivid green. White & black birches all have good sized leaves.

Ash. Some of these have but small leaves, as yet. Torn & Holyoke are almost entirely green on both sides. Some places of chestnuts have much brown yet, but are greenish a little.

Blossoms

Flowering Dogwoods now show large white involucres, and look well on the side of the mt.

Crowfoot *Cyanium* shows blossoms on the summit rocks.

Smooth leaved wild cherries are in full blossom near the summit.

Polygonatum & Bellwort are in flower.

The flowers noted May 13 are still there, or nearly all of them. Shadbush flowers are gone.

Columbines are abundant near summit rocks. Yellow flowers that seem *Senecio's* are very plenty on the summit.

All the Forests and Pastures in the Hills and vallies on every side, are green with some other hues - chiefly green - on all the distant hills & mountains in Westchester, Williamsburgh, Sugar Loaf, Mount Toby, Mt. Warner, Eastern Holyoke, &c.

Spiked maple has buds & a few blossoms.

Striped maple has blossoms.

Meadow.

Corn & broom corn are coming up, though some is not yet planted. Some pieces are up. Some corn 2 inches high or more.

Scare-crows are as usual - white threads or cords, fastened to stakes around the pieces of corn.

Rye. Good pieces have heads fully out.

Clover. I saw one or two red heads of red clover, and two or three white heads of white clover, in the meadow. Also one or two heads of red clover in Doct. Thompson's lot.

Hopecarys geniculatus shows heads & catkins in Mr. Shepard's lot (wet land) and by road to Upper mill.

Poa compressa is with other *Poas* in some places, and as forward as *Poa pratensis*.

Blue birds. A young brood seen May 23. that had left the nest.

Night Hawks say Peik, Peik, over the village, May 24.

May 1851.

Thursday 22.

Friday 23.

Pearry. Mr. Shepard's Tree Pearry shows two blossoms - very pale pink, almost white. ^(blossoms since May 24)
Ragged Robin is in blossom - has been 2 or 3 days.
Spelder Wort blossoms noticed in 2 gardens. ^(blossoms since May 24)
Flower de luce, blue color. I have seen several blossoms.
Horse Radish shows white blossoms.
Flower de luce, light colored, has many blossoms, but not half the buds are open.
Double Crowfoot, has been in blossom in garden some days.
Blue Eyed Grass shows flowers.
Shawberry Blossoms continue abundant in Gardens & Fields.

Saturday 24.

Apple blossoms have almost all fallen.
Tulips continue in glory, but the petals spread more, and are not quite so neat as they have been.
Dwarf Iris, the pale sort, is waning & fading.
Lilacs, purple & white, in full blossom. Some of the purple near buildings, have begun to fade.
Persian Lilac. Not $\frac{1}{2}$ the buds are open - not $\frac{1}{4}$ on some bushes.
Flowering Almond, Blossoms fading & falling. Beauty gone from most bushes. A few are showy yet.
Azalea Honeysuckle, some bushes in full blossom and some not begun to blossom. Mr. Shepard's hardly begun.
Japan Quince, blossoms almost all gone.
Flowering Apple at Salbott, Blossoms almost all gone.
Fly Honeysuckle or Twin Flower, The blossoms begin to fall, yet only about $\frac{3}{4}$ of the buds are open. Is not quite full, but near it.
Star of Bethlehem is in blossom at Paraghts.
Horse Chestnut. Trees are about full blossom.
Mountain Ash not quite so forward as H. Chestnut.
Quince Blossoms begin to fall, but many buds are not open. Near full.
Erigonans, No 1. and 2. increase their blossoms slowly, and latisspodes show stalks as tall as the early ones.
Roberts' Plantain or No 1. is on West's side hill, and on Starkweather's lot just above the meadow, among Apple trees. All buds are erect now, though I think they droop when they first show themselves, or some do. Have more buds than the book gives to a stem, or some have. Perhaps $\frac{1}{5}$ or $\frac{1}{8}$ of the buds are open.
No 2. Shows many blossoms in Salbott lot, in other openings, but probably not one bud in fifty is open. All buds droop except some that have blue rays, & are almost flowers. Flowers not so large, and rays not so wide, as those of No 1, but stems taller.
Clovers. There are perhaps a hundred heads of red clover in Dr. Thompson's home lot, upper end & lower end. And there are about a hundred heads of white clover at the S.E. end of West's home lot. There are a few heads in Mr. Shepard's lot of red, & here & there one elsewhere, yet in general scarcely any is noticed, & clover of either sort must be looked after, to be seen, that is, the blossoms.

May 1851

Saturday 24.

Grasses.

Vernal Grass continues its predominance in the sowings, being taller than the other grasses and having more color, besides green. Other kinds will soon overtake it as to height, and partly obscure it. Its brown is conspicuous.

Poa pratensis or English Spear Grass, shows plenty of heads or panicles, but they are not yet so tall as the Vernal grass, except near fences & buildings. Corn is not fully out, in general.

Orchard Grass. The panicles are many of them, fully out, but some show themselves only in part.

Hawthorn blossoms began to show themselves two or three days ago - most buds seem to be open. But few trees or bushes blossom this year.

Buckthorns have begun to blossom.

Columbines (not the wild) are in blossom - the double purple in Bright's garden, & the tall white in Julia's borders, flower-border, not double.

Hill side below Old Canal, & near Mill River - on this

Oxeye Daisy has some flowers partly open, but none fully. Not so forward as June 4, 1850.

White Clover & Red Clover, in blossom, are on the side hill. Fleabanes, the 2 earliest sorts, are in blossom in same lot, more advanced than elsewhere. Robert's Plantain a little more forward than the other.

Buttercups or Crowfoot. The common *R. acris* shows flowers in almost all sowings, but is not where plenty. There are perhaps fifty blossoms of the bulbous Crowfoot (*R. bulbosus*) to one of *R. acris*.

Some flowers of *Silene* or *Lychnis* genus are out.

White Narcissus, with many petals, & no cup apparently, are still fresh and new.

Those with 6 petals & a shallow cup are mostly gone.

Snowflake. These flowers are still pretty.

Solomon's Seal (*G. racemosa*!) has racemes of buds & flowers, at Fort Hill.

Banberry is in flower abundantly at Fort Hill.

Blackdiernut is in full blossom.

Male Poplars (*P. grandidentata*) at Fort Hill have put forth leaves, that are whitish - not many out yet.

Tulip Trees. I find by examination that almost all blossom buds have four leaves below them that came from the same general envelope. Rarely there are five - The other main buds, or envelopes, that had no blossom bud within, have put forth 6 and some 7 leaves, and there is one or more minor leaf wrappers, have put forth four & some five leaves, and are not yet used up. A few have but three.

Some leaves on most trees at Fort Hill, or on many, are withering & fading. Probably the effect of a strong wind yesterday.

Poke Root is full of green blossoms at foot of Fort Hill

Angelica or Sweet Cicely began to blossom at Bright about May 26
purple stem.

May 1851

Sunday 25. Mr. Swift preached A.M. & P.M.
Services, 1st 25 & 1st 20 m.

Monday 26.

Walked out to see Frances &c. A.M. by way of the paper mill and through the woods beyond, returned by Damon's mill.

Flowers. No new ones observed. Venus Pride, Cinquefoil, Cowfoot Geranium, Fringed Polygala, Groundnut (*Pasax*) and others are plenty enough.

Trees are all green or greenish, and forests are green.

Great Tooth Poplar. The male tree is apparently the last tree of all to put forth leaves. Some in the woods above mentioned, and above Damon's mill, have only a few small whitish leaves, & those chiefly on the lower limbs; the tops seem almost bare, and at a little distance, quite bare. There are others of the male tree more advanced, with green leaves. Small trees 2 or 3 feet high have whitish leaves, partly rolled up.

White Oaks. Many trees have whitish or light colored leaves. On some trees many of the leaves are reddish, or a part of the leaf is reddish. The more forward trees have more green.

Thorns. Many bushes are white and in full blossom. Others are passed the full.

Pyrus arbutifolia are in full blossom or a little passed. Some only a foot or two high, and some taller.

Wild Cherry. Two or three Worms nests seen.

Umbelled Cherry - blossoms have fallen mostly.

Racemed Cherry. The low sort are in blossom; are in blossom by the road, and at Fort Hill. Some at Fort Hill are full or passed.

Racemed Cherry, rough barked, that makes trees, is not yet in blossom. I observed, however, one tree, not large, with 3 or 4 blossoms.

Hebea species. Robert's Plantain is the only species noticed by the road, beyond the village. That shows many flowers. Perhaps a very few of No 2.

Oxeye Daisy at Burnells, on road to Mill, has no flowers out. A few are opening. These are rather forward.

The Poa seen by the side of the road, most of it has panicles, a little reddish. Some of it is *P. compressa*.

Vernal Grass is plenty in the meadow this side of the first silk factory. This land was turned over by the plough two or three years since. South of road.

Glacier, White & red. There are a few blossoms by the road sides, not many. The heads increase in the village.

Poa in the village lot, has many reddish panicles, and that color increases. The color is not the anther or blossoms.

Button wood trees are only greenish & some hardly that. Leaves are dying as usual at this season.

Quincees make quite a show, though past the full. *Orientalis* in flower in the woods.

Sweet Fern. Early catkins have fallen. Female catkins, or little green burs show themselves.

May 1851

Tuesday 27.

Wednesday 28

Rode to Westhampton with wife. Called upon Frances, Hannah Hoxse, and took dinner at Doct. Hooker's with sister Hooker, &c. Took tea at brother Parsons's, & came in that way. Went out by Robert's meadow.

Vegetation in Westhampton & by road to W.H.; There seems very little difference between the state of vegetation, as to forwardness, in W.H. & N.H.

Blossoms. Cinquefoil, Strawberry, Venus Pude, Buttercups, Alexanders, &c show plenty of blossoms.

Wild cherry. Rounded low cherries on the plain are in blossom; and trees 10 or 20 feet high; but the large rough bark trees have not begun.

Thorn Bushes. Some are very white, & some are passed, & flowers falling.

Flowering dogwood, shows many blossoms but is passed the full, I think.

Azalea Honeysuckle is in blossom near the road.

Pyrus arbutifolia has blossoms abundantly.

Quince, in blossom in W.H. as in N.H.

White Oaks. Some of these are still considerably white. Appear white at a distance or whitish.

Great Tooth Popples. Some of these are still whitish.

White Pines have put forth whitish or light colored shoots at the ends of the branches, 1, 2, 3 or 4 inches long.

Yellow Pines. These new shoots on the yellow pines are 2 or 3 to 7 or 8 inches long.

Hemlocks. The new shoots are only $\frac{1}{2}$ or $\frac{3}{4}$ of an inch in length - are bunches of leaves.

These new beginnings of branches or top twigs are all light colored, & give variety, if not beauty, to the foliage. The hemlocks and some pines look finely.

Alexanders are abundant in snowings & elsewhere in W. Have come in later years. Are full of yellow blossoms.

Roberts Plantain or *Erigeron* No. 1. is plenty in Westhampton, in snowings, pastures, road sides, &c. Not quite full. No. 2. is hardly seen west of Northampton village.

Ox Eye Daisy - is plenty; but I saw no blossoms except in my old store lot. 2 or 3 there. Many buds are near opening.

Clover. Some red & white heads in W.H. but not plenty. Some in my old lots.

Lupine blossoms are abundant on the Plains - cover acres by south-road. Not full yet, but very showy.

Barberries are yellow with blossoms on S. road.

Wild Raspberry has begun to blossom by road.

Running Blackberry (Dewberry) has a few flowers by the side of the road. In general not begun.

Whortleberries in flower by road side.

May 1851

Wednesday 28 - continued. W. Hampton.

Grasses in my old mowings in W. H. were very little behind Northampton grasses, as to forwardness.

Vernal grass is conspicuous in these mowings of Chapman & in others, as in N. H.

Poa Pratensis shows its panicles as in N. H.

Orchard Grass, about the Store &c. shows its panicles, but they are not fully out.

Corr by the road on early warm land is large enough to hoe. Some is but just planted.

Scarecrows by road & in W. H. are stuffed men, white corals, and clack mills, or windmills with a hammer.

Whippoorwill. I heard one in the woods on the way from Westhampton. They have been about some time.

Thursday 29.

Flowers.

Peonies. The old red had one flower at Talbot's May 27, one at Shepard's May 28. A pale kind, herbaceous, showed one flower at Bright's May 28. Two red peony flowers at Wells and 4 at West's, May 28 & 29.

Yellow lilies. 13 blossoms observed to day in five flower gardens. Peck & Wells had most. Began 28th.

Rosa Ferox, at Lawrence's, began to blossom on the 27th or 28th.

Lilacs. The common are fast fading. On some bushes the flowers are all brown; on some almost all bright.

Persian Lilac, is near full blossom.

My Honeysuckles, are passed the full blowth a little - one or two days. There are more fallen flowers than buds unopened.

Rockets make a great show.

Primitory begins to blossom.

Azalea. Mr. Shepard's in full blossom & some others. Many bushes are passed the full; flowers falling.

Cinnamon Rose. Bushes have several buds half open.

Flower de Luce. White is past the full, but has some buds unopened. Is showy yet.

Flower de Luce. Purple is not full, but many flowers are seen. Some of the purple are half purple & half white - between white & purple.

Columbines are plenty in gardens - various colors. Sing & Dr. Valerian (*Valerianium*) begins to blossom at Dr. Walker's.

English Bass (hinden) has floral leaves and very small buds just begun, on a foot stalk $\frac{3}{8}$ to $\frac{1}{2}$ inch long. American Bass. No floral leaves observed.

Snowball. Flowers have been growing white some time. Some are nearly white.

High Cranbury. Some of the flowers on the outsides of the cymes are open. Began 28th.

Viburnum (luteo) at West's has been in flower 1 or 2 days. most of buds are open.

Atlantic leaf Dogwood has begun to blossom at Fort Hill.

May 1851.

Thursday 29. Grass.

Festuca Grass begins to show the tops of the panicles.

Tall Oat Grass at Mt Whitney's shows the panicle, but not the whole of it - not yet open.

Poa begins to shoot above the vernal grass, and the brown of the latter is not so predominant as it has been, but still conspicuous.

Orchard Grass. A few panicles on West; lot show a tithing, that is, are in flower. In general not.

Blue-eyed grass shows many blue flowers. Some at W. H.

Flowers.

Wild Cherry. Rough barked, racemed trees, are now in flower at Fort Hill - not half of buds open. Probably began 28th. Trees 8 or 9 inches in diameter. Smaller trees of the same species are earlier.

Wild Raspberries are in blossom at foot of Fort Hill and in Village. Began a day or two since, probably.

English Raspberry (Mr. Hibben's) begins to blossom.

Thimbleberries. Mr. Shepard's bushes on warm early ground have a very few blossoms.

Spiked Indigo plant at Wests began to blossom one or two days since. Not many flowers open yet.

Flower at Bright & Wests, conjectured in past years to be a foreign Polygonum, is now out.

Blouseear Everlasting shows cottony heads which begin to scatter.

Dandelions. Whiteseed heads numerous, & stems from which all seeds are gone. Yellow flowers are few, comparatively.

Hornbeams have long leafy aments at ends of branches.

Hawthorns. Some are in full blossom - some are past. Not a general blowth - but few trees or bushes blossom.

Tulips. Some have fallen. Many that remain are ragged. Beauty is gone. Some fair flowers remain.

Leaves. Some bass trees, not large, at Fort Hill, [Nat. Hist. 2. 216] have a few leaves 6 by 7 1/2 inches, and many that are 5 by 6 inches. These grow on the lower limbs of thrifty young trees.

[Nat. Hist. 2. 200] Slippery Elms, small, at Fort Hill, have leaves 4 by 6 inches, on lower limbs - a few.

Trumpet Honeysuckle begins to blossom at Williston. Those on Round Hill are always earlier than those on or near King Street.

Strawberry bush shows its russet buds & flowers - has for 2 or 3 days.

Hedge Mustard is in blossom.

Horse Radish seems in full blossom in snowings - very white.

Friday 30

Saturday 31.

June 1857.

Clonney & Hutton

Receipts

June 1.	Balance of Account under March	\$65.85.
July 2	S. C. Parsons paid balance of his Note & Intst. 315.00. [He paid 100¢ June 30 & I lent it to Geo. Shepard]	
July 10	years interest on Dr. Barrett's note	21.00
10	Dividend on Boston & Prov. R Road	30.00
Aug.	Int. on bro. ill. 16¢. Something 10¢.	0.26
Sept 10.	Found in meadow 21 cent. drawn in	432.11
		<u>432.38</u>

Expenditures

June 2.	Mending Tin 3¢. Crackers 7¢. Beans 4¢. Postage 5¢.	\$0.29.
5.	Beef 36¢. Butter 21¢. Midget toll 4¢. Postage 10¢. Codfish 15¢.	0.86
9	Alb. Bliss, milk since March 24. 76 pints, @ 2¢ (Began to take of Mrs. Shepard June 8.)	1.52
14.	Washing fluid 12. Cheese 12. Coffee 18¢. Postage 10¢	0.52
16.	Ind. Meal 10¢. Mackerel 13¢. John Smiths Horse 31¢	0.54
19	Paid Frances for interest due from Isaac Shelton \$20, which is 50 cents too much	20.00
21.	Coffee 18¢. Cheese 13¢. Yeast 3¢. Almon 4¢.	0.40
23	Tax on Wethampten land to Filand. 64¢	0.64
24	Sent to Penmanah \$5. Broom 13¢	5.13
26.	Cherries 16¢. Goods at Hawks 5.67. 2 brooms 25. Tacks 4.	1.12
27	Cotton cloth 11¢. Butter 1.23. Postage 5¢. 6. Snuff 8¢	1.42
July 1.	Postage of Evangelist 10¢. Bore 12. Butter 17. 17. Seeds 18¢.	0.74
2.	My Town Tax \$6. on 5000 } Poll 1.65. 30.00 } 30.00 31.65. off 5 pnt. } -30.07	33.18
2	My Parish Tax \$8.38. off 5 pnt. 42¢.	7.96
2.	Frances Town Tax. 8.40, off 5 pnt. 42¢.	7.98
2	Postage 7¢. Cherries 20¢. 5. Ferriago 3¢. Institute 4¢.	0.39
3.	Cheese 22. Flour 49 lbs. 1.69. Butter 8. 17¢	2.16
5.	paid 14 pnt on Draft on N. York \$249. 62¢. Pear 13¢.	0.75
10	Postage 7 pnt. Give Mrs. Salisbury 50¢. Ferriago 5¢.	0.62
14	Soap 13¢. Wash for toes 7¢. Crackers 10¢. Berries 10¢	0.40
16.	Berries 10¢. Lemon 6	0.16
	Sent to Samuel Sinclair, N. York (see July 17)	279.00
		<u>362.67</u>
18.	20 postage stamps 60¢. 7 1/4 doz. lam. 6. 58¢. Coffee 15¢	1.33
21	Cheese 15¢. Postage 6¢. Berries 6¢. Sweet Oil 5¢. Seeds 3¢	0.32
22	Sent to pay annual payment to Hist. Society	3.00
31	Bible Society 25¢. Mending Shoe 3¢. Berries 22¢.	0.50
Aug 2.	Crackers 16¢. Ed. Salmon salt 27¢. Berries 10	0.43
4	Postage 0¢. Ferriago 6¢. Paid Sikes for Labor \$1.00	1.15
8.	Cheese 28¢. Coffee 11¢. Washing powder 13. Mending tin 6.	0.61
9	mending Pails 15¢. Potatoes 6¢. Berries 5¢. 13. 6¢. 42¢.	0.63
12	3 doz Salmon 27¢. Deer skin 10. Postage 6¢. Butter 17. apples 8¢.	0.68
19	Soap 12. Potatoes 13. Flour 4 lbs. Ind. (last week 8¢)	1.12
21	Crackers 9¢. Cheese 25¢. Lemon 50¢. Blacking 10¢. Butter 13	1.07
27	Corn 8¢. Butter 52. Graham Meal 39¢. Cheese 15¢.	1.44
27 13.		<u>374.98</u>
Sept 1.	Beef 28. Apples 5¢. Yeast 15¢. Penmanah 19¢. and 55¢.	1.15
4	Peaches 13¢. Mending, Simon 10. Potatoes 13. Tote 3¢	0.39
8	Washing Powder 13. Cheese 16. Beef 10. 49 lbs flour 1.69.	2.08
10	Cheerige &c. 9. Paid Wells for Penmanahs Daguerro type \$2. (1100)	2.09
12.	20 postage stamps 60¢. 10 doz Graham Meal 37. Mending Kettle 58¢.	1.47
13	Mrs. Shepard 108 pints milk 12. 16. acct. owing to day. Straw 12. 2.	2.28
15	Seeds 8¢. Lam. for toes 6¢. Give Mrs. Salisbury 50.	0.64
15	3. mending book 25¢	0.25
15.	Left with Penmanah 0.54. Took with me 30.57.	31.30
sent 108. 5. June		<u>422.38</u>

June 1851.

Thermometer.

	Sunrise 1 P.M. 9 P.M.				
Sunday	1.	45.	72.	52	Sunshine A.M. Cloudy P.M. S.
	2.	51.	73.	59	Fair. Shower at 12½. Fair. S. or N.W.
	3.	46.	67.	55	2/3 Fair N.W.
	4.	50.	70.	59.	mostly fair N.W.
	5.	48.	72.	58.	Fair & pleasant N.W.
	6.	46.	76.	62.	Sunshine. Some haze. S.E. &c.
	7.	56.	56.	50	Rainy night & Rainy day. N.E.
Sunday	8.	46.	58.	49	Cloudy. Some Rain P.M. & night. S.E.
	9.	48.	68.	57.	{ Cloudy & Rain A.M. pt Fair P.M. N.E.
	10.	50.	69.	56.	Rain in evening N.W.
	11.	47.	80.	67	Fair & pleasant
	12.	57.	76.	59	Fair A.M. Cloudy ½ P.M. S.W.
	13.	47.	74.	56.	Fair with grey sky N.E. & N.W.
	14.	47.	77.	55	Fair
Sunday	15.	46.	76.	55.	Fair mostly. Sprinkling P.M. N.W. N.E.
	16.	45.	65.	55.	Fair mostly. Shower at 5. N.W. N.E.
	17.	42.	70.	55.	Fair in pt. Cloudy in pt. Sprinklings. N.E.
	18.	41.	76.	60	Fair N.W.
	19.	50.	79.	62	Fair
	20.	51.	82.	68	Fair with some haze. S.W. & S.
	21.	60.	86.	68.	Fair A.M. 2/3 cloudy P.M. S.W.
Sunday	22.	62.	83.	70	Fair mostly. Heavy showers after 5½ P.M. S.
	23.	67.	83.	72.	Fair mostly. S.E. & S.
	24.	61.	80.	65	Cloudy S.E. & S.W.
	25.	56.	84.	65.	Fair N.W.
	26.	62.	84.	69.	Mostly Fair. Shower at 6½ S.
	27.	55.	85.	65	Fair N.W.
	28.	60.	80.	65.	Sunshine with haze. S.W.
Sunday	29.	65.	88.	76.	Sunshine-grey sky, & haze. S.
	30.	70.	92.	77	Sunshine & grey sky. Southw. &c.
1577. 2281 - 1841					

Temperature.

At sunrise	52 ¹⁷ / ₃₀	} Average 63 ²⁴ / ₃₀ .
at 1 P.M.	76 ¹ / ₃₀	
at 9 P.M.	61 ¹¹ / ₃₀	

A cold June. More than three deg. colder than last year. Vegetation fell back 6 days compared with last year.

June 1851.

Sunday. Dr. Mr. Swift preached. Services 14 hours each.

Monday 2. Vegetation.

Flowers. The following six sorts: now make some show in gardens.

Rocket, are very plenty - perhaps about full.

Iris or Flower-de-luce. The white are passed the full, and petals droop, yet they still make a show.

The purple are about in full bloom; they are withered flowers and unopened buds. [Drooping petals are purplish; ascending ones pale blue.]

Peonies. The tree Peonies are in full blossom, or passed. The red peonies are plenty but not half the buds are open - There are some pale peony blossoms out, which are not tree peonies.

Columbines of various colors are plenty.

Persian Lilac is in full blossom, or a little past

Star of Bethlehem, is full of blossoms.

Next to these come the following:-

Yellow Lily. Not one fourth of the buds are open

Spiderwort - Many blossoms - will long be in blossom

Greek Valerian - has but few flowers yet. (Polemonium)

Spiked Indigo Plant - has not many flowers yet.

Silene or Lychnis, some flowers, in several places.

Syringa - began to blossom to day. I have seen blossoms in 3 or 4 places, but not a dozen in all.

Trumpet Honey suckle - but few flowers on King-Street. More on Round Hill.

Flowers fading & almost gone. Tulips; Daffodils or Narcissus of all species; Snowflakes; The common Lilac; Satin flower, number grows less: Hawthorns, flowers falling or fallen; Quince flowers are mostly fallen; Azalea, fading & falling but some bright flowers yet; Italian Spiraea, flowers mostly gone; Lily of the Valley fading; Moss pink mostly gone; Judas tree, flowers gone, leaves out.

Horse Chestnut. The flowers of many trees are falling, and of some trees are more than half gone; but a large portion of trees still make a fine appearance with their high cones of flowers, though some have fallen.

Mountain Ash - some flowers brown or fallen; others white; some buds not open. About the same as horse chestnut.

Snowballs; the flowers are generally white.

High Crabtree - has only outside flowers.

Rosa terox continues in blossom. Some have fallen.

Germanian or Rose - only a few open blossoms. Some buds half open.

Climbing Rose at Mr. Wells, fastened to house in the sunshine has begun to blossom.

Scotch Rose has begun to blossom. Observed 9 or 8 blossoms at Brights, 4 at Talbot's, 2 at Dock, 1 at Walkers.

Blossoming begins with Syringa as usual.

A red or pink colored pink is in blossom at Wests.

Common Pink. Some are opening.

Mr. Cotton's small pink shows 40 blossoms, & has begun 1 or 2 days since.

June 1851

Monday 2. Vegetation—continued.

Viburnum lentago, is a little past full blossom.

Viburnum Dentatum—not yet in blossom

Cornus alternifolia—is in full blossom. Some not.

Cornus florida—~~Involucres~~ mostly fallen.

Rubus—Most kinds are in blossom—*a.s.*
wild Raspberry, English Raspberry, Thimbleberry,
Running Blackberry & Dewberry—4 species not
noticed before.

High Blackberry was in blossom near Round Hill
house May 31.—at Fort Hill June 1.

Square Whortleberry was in blossom on Round
Hill, in woods, May 31. Blossoms open but not
fully grown.

Pond Lilies. Flowers and yellow buds are abun-
dant by the Rail Road. Some may have been
open near a week. Large, shining leaves float
on the water.

Magnolia Grandiflora on Round Hill, had
opening flowers, May 31. Petals 5 inches long.

Fly Honey-suckle. Flowers have almost all fallen from
some bushes; many remain on a few bushes.

Aletris No 1. *Robur* Plantain seems about full
Fleabane, No 2. Flowers are quite plenty. Perhaps
half are open. No 3 is plenty in the
meadow, but has only buds. No 4 is plenty
on uplands & some in meadow—tallest of
all, but later than No. 3—No 5 is quite small.

Wild Blue Iris is in blossom—may have been some time.

Dwarf Locust (*Robinia hispida*) was in blossom
at Mrs. Woodward's and Mr. West's May 29. Other
bushes not yet in blossom, viz at Brighton.

Crowfoot Geranium. Flowers plenty, but not full.

Bulbous Crowfoot. Flowers are plenty in places,
but it seems to have passed the full.

Tall Crowfoot. Flowers are common, but
apparently not $\frac{1}{3}$ are yet open—
perhaps not one fourth.

Oxeye Daisy. Very few flowers seen—many
opening buds.

Celandine flowers are plenty and will be a long time.

Fruits.

Currants are nearly full grown

Gooseberries are full grown some are $\frac{1}{2}$ inch in
diameter. Commonly covered with mold, some $\frac{3}{10}$ $\frac{1}{10}$.

Cherries are $\frac{3}{10}$ and $\frac{4}{10}$ of an inch in diameter—more
than half grown.

Plums are $\frac{3}{10}$ & $\frac{4}{10}$. Some may be larger. Are long and
a little flattish.

Pears are $\frac{3}{10}$ and $\frac{4}{10}$ of an inch in diameter.

Apples are $\frac{2}{10}$ and $\frac{3}{10}$, some may be larger.

Peaches are about $\frac{3}{10}$ of an inch—some larger.

Quinces are $\frac{2}{10}$, $\frac{3}{10}$ & some $\frac{4}{10}$ —but just out of blossom.

Grub Apples are about $\frac{1}{5}$ and $\frac{1}{4}$ of an inch.

June 1857

Monday 2. Vegetation continued.

Grasses.

Poa pratensis and *trivialis*. — *Poa* is conspicuous in mowings, and by fences, buildings, roadsides. Much of it is reddish-brown, and not a little continues green. It is in blossom, or a part of it is, but not generally. Anthers are brown or purplish but they are not plenty & do not color the grass. Some green anthers.

Vernal Grass. This continues brown, but is less conspicuous, the *poas* overshadowing it in many places, especially on rich land. On poorer land, the vernal grass maintains its ascendancy, & embrows large spots. Some other grasses & herbs begin to interfere with the vernal besides the *poas*.

Orchard Grass is found only in spots. Only a small part is in flower. Many panicles not fully out. Found chiefly about West.

Alopecurus pratensis and *paniculatus*, is found in but few places — much less of it than of orchard grass. Has long been in blossom.

Tall Meadow Oat Grass at Whitney's shows many panicles, but very few are fully out of the sheath. Many do not yet show themselves.

Tall Festuca Grass. The panicles begin to show themselves, and some show 4 or 5 inches in length, but not the whole length. Not very plenty yet. Leaves shining & smooth.

Tall Reed Grass (*Phalaris*) is not tall. A very few tops of panicles are seen — hardly any.

Criticum repens has grown up rank by fences and elsewhere. I notice the tops of 2 or 3 spikes only. In general no spikes visible.

Herdsgrass. I have as yet seen only the tip of one head, and that not in village. Heads not yet visible.

Poa annua has plenty of panicles, and has headed for 2 months and more. It seems to thrive in good land that is much trodden by men, as in yards and roadsides. Mr Shepard's yard, south of his house, is full of it, and the cow eats it down. In the meadow by the Hockanum road, upper part, it grows so here footmen walk; but not elsewhere. It is always plenty in our garden walks, and in other parts of the garden.

Clover Red & *Red* and *white* heads are do *White* plenty in many places, and are seen in most places where clovers grow. Are not fully out. Perhaps not over one half of blossoms have appeared; may be two thirds, on turf lands, not recently ploughed.

June 1857.

Meadows - Monday, 2.

I walked from Fort Hill into South Meadows; and thence by rail-road bridge into North meadow. Went down to Bark Wigwam, and crossed Old Rainbow opposite the barn; went up 20 or 30 rods and crossed back, near a great elm. Ashover came up & I retreated to the barn, and could not go into the grass land any more. I came up in road to Bridge street, near Josiah Parsons' house.

Hoeing Corn. This will be a great week for hoeing corn and broom corn. Many at work in both meadows. Some began 4, 5 or 6 days ago, but in general, ^{that were} not until to-day. I did not see many pieces ^{that were} hoed last week, but some. — The corn & broom corn are in 3 classes - 1. Ready to hoe. 2. up, but not ready to hoe - 3. not yet up. About twice as much broom corn as corn, I judge. They were planted nearly together, and the I. corn is ready to hoe but little before the broom corn. When both are planted together, the I. corn is large enough to hoe, a little sooner than the other.

Scare Crows. I noticed white threads or cords; some having white strips of cloth dangling from them, in one piece; sheaves of straw set up in the field around a stake; that is, a stake to each bunch of straw; pieces of bright tin suspended by cords, which glistened in the sun, as they turned about; one or two dead crows hung up. Some tarred their seed corn, & set up no scare crows.

Crows do almost all the damage in the North meadow, but I was told that black birds did much injury in the lower meadow especially in the lower part near their haunts. They are not frightened by any object set up in the corn-field.

Potatoes are up in the meadow - not hoed.

Rye. There are many good pieces - from 3 to 5 feet high - some stalks 5½ feet high, but in general not over 4 feet. Only a few heads have begun to blossom, in some pieces, none. Heads of rye, & pieces of rye, have a reddish brown appearance. — Some fields of rye are not over 3 feet high, as yet. — Awns of rye are reddish.

Wheat. I passed several pieces of wheat, 15 to 18 inches high. The heads do not appear, except some make a swelling in the upper part of the stalk. I noticed the tip of one or two heads.

Oats are of different heights - not high yet.

June 1851

Meadows, Monday 2.

Grass in upper or ploughed meadows.

Poas, or common Spear grass, are the only grasses that show panicles, except the vernal grass on both roads near the entrance into the North meadow, and except sedges in some places. The poas are generally a little reddish brown. In some pieces there is considerable of the *Poa compressa*, mingled with the others.

Poas show themselves but little in pieces of grass sowed down but one or two years since; the grasses sown, clover & heads grass occupy the soil. The clover gradually disappears, and poa and other grasses come in. In pieces sowed down some years since there is poa enough to give them a reddish brown appearance. In those recently laid down to grass, sorrel makes reddish places, but poa is not plenty enough to color them.

Clover is not much in blossom in pieces laid down recently. Heads grass does not show heads. Buck top is not now distinguished.

Weeds in these pieces of Grass.

Alebane No 1.

Alebane No 2

Venus Pide

mouse ear everlasting
gone to seed - cottledy

} These four plants make
white spots in pieces
laid down some time.

Other weeds - Sorrel, Canada Thistle, Milkweed

Alebane No 3. Bleaf cinquefoil, Barbarea,
alexander, Wild Radish, Oxeye Daisy, Lingpoin

These weeds are not very plenty, among grass.
Some are not yet in blossom.

Barbarea & Alexander are mostly by river,
roads, clutches, &c. & not many in the mow-
ings.

Wild Radish shows itself in all fields
almost, ploughed & planted or sown this spring
- only 2 or 3 inches high. In pieces not ploughed
this year, it has risen higher & has yellow flowers,
but not plenty among grass; indeed very little
is seen in mowings.

Sorrel is the most common weed, next to radish, that
has sprung up since the ploughing this spring; this
did not come from seed this spring, I think. It is in
blossom in mowings, but the redness does not
come from the blossom, that is, from the inside,
but from the outside, or sepals.

Wood Sorrel. There is some in the meadows, yellow flowers.

Plantain grows in the meadow paths, but
not among the crops. It likes to be trodden upon.

Dewberry in blossom by side of some paths.

Vernal Grass in plenty grows on the lots near the
entrance of the meadow, on two roads - opposite burying
ground and below pleasant street.

June 1857.

L

May 16 / 204 Old Rainbow Monday 7.

The Bank shows many flowers of Crowfoot
Geranium, not full; many of Lupinus, not full;
of Venus Pride of Roberts Mountain. It has
many panicles of Poa, some Clover heads, and
a little Vernal grass.

Appearance of the meadow from the bank.
There are long lines of reed clover on the ridges
or higher parts of the meadows, mingled with
white fleabanes, and green grass. Red flower
is more advanced here than on uplands.
The valleys or lower places are green, and
the green mingles with red and white on the
higher parts.

Where I crossed the meadow, the grass was
generally thin, especially on the eastern side.
thicker on the clover ridges. Much of it short.

Sedge grows in the low hollows, and some
is found in other places.

Brake or ferns, or polypody grow on most
of the land, and are not confined to wet places. Leaves
are small.

The Aira shows its purple silken panicles
on the sides of the hollows or depressions, but not
in the lowest, wettest part, nor on top of elevations.

Red top } These grow in various
Andropogons } places, but are not tall,
as yet - do not make much show, though found
on a large portion of the meadow. are tall grasses.

Triticum repens. I did not go high enough
in the meadow to meet with this.

Red Clover on the higher parts.

Horsetail is abundant on most of the meadows.
Pandelion leaves and stalks are very
plenty. Have gone to seed

Blue eyed Grass grows here.

Poa or English Grass is found on
most of the land, when it is not too wet, but
is every where thinly scattered, where I went.
yet it gives a faint reddish brown tinge to a
large part of the meadow; it requires but
a thin sprinkling to do that, as almost all
the panicles now out are Poa. The Aira
helps the redness in the lower part of the
meadow. Farther north than I went, the
redness of the Poa is more distinct.

Poa Compressa grows on the clover elevations.
This grass is more plenty than I formerly imagined.

Fleabanes, No. 1. and 2. are plenty in many
places, where the land is not wet - commonly separate
from each other, but sometimes mingled.

Vernal Grass. I was surprised to find consid-
erably of this on the clover elevation, near the great
elm before mentioned - more than of Poas.

Venus Pride. Flowers abundant on elevations.

Crowfoot Geranium. Many flowers on same

Galium agrostis. This grass is 12 inches high & more.
Milkweed, Convolvulus, Lilies, &c. are seen. Not in flower.
Crowfoot (R. acris) is rare. A few blossoms near the elm tree.

June 1857.

Monday 2. - continued

Living things in the meadows

Bobolinks are the principal songsters.

Larks are heard.

Hawks are seen, and crows.

Crickets are seen and heard. Their chirp is distinct now.

Grasshoppers. A few about an inch long are seen, but not many.

Butterflies. The yellow are plenty. A smaller species with reddish brown or chestnut colored wings have been about nearly as long as the yellow ones. I see both in meadows & uplands.

On reptiles.

Young birds have left their nests, viz. Robins, Bluebirds, Ground Sparrows, and others. Phoebe, I think, & probably crows & blackbirds, leave nests about this time.

Humming Birds are seen now & then, but are rare.

Crickets, I heard distinctly near Round Hill, June 5. might have been heard before probably.

The summer warbler, all yellow, has been here some time. Also the yellow bird with black wings.

Plantain. The common is not only in meadow paths, but in other paths. I notice it in some paths about Round Hill.

Ribwort Plantain is abundant in Round Hill now in flower. Continue to blossom & will long continue. Begins at lower end of spike & works upwards - that is, the blossoming.

Comparison of Season.

This season was, for some time in May, about 11 days in advance of last year. But cool weather recently has made the difference only 9 days - the same as May 15. Vegetation June 2. 1857 corresponds very nearly with:-

June 11. 1850, or 9 days earlier

June 7. 1849 or 5 days earlier.

May 30. 1848 or 3 days later

June 5. 1847 or 3 days earlier.

May 25 1846 or 8 days later.

Difference of extremes 19 days.

Greenness of the Mountains is now much alike, except the evergreens, which are of a darker green. The Birch region still shows a little paler green than the Oaks & Chestnuts, but there is not much difference.

White Maple seeds have mostly fallen. Some remain on trees - are brown.

June 1857

Tuesday 3.

Wednesday 4.

Thursday 5

Flowers &c.

Monkshead began to blossom June 4. at Dr. Walker's.

Pinks began to blossom, i.e. had open blossoms, June 4 at Dr. Walker's. These are double, fringed pinks. larger than those at Cottons. Some at other places.

Common Locust has blossoms. Perhaps it began yesterday.

Yellow Roses. Three or four blossoms at Mr. Shepard's. may have commenced yesterday.

Glimping Roses. Some open at Wells, Woodward's & West and probably elsewhere. Mr. Shepard has one blossom.

White Scotch Rose - not very plenty yet.

Rosa ferax. Petals falling. One at Mr. Woodward's. Another species has flowers at Mr. Woodward's.

Smoke tree at West begins to blossom. Others not begun.

Tulip Tree. The tree at West has half a dozen blossoms. Those at Bright's & Talbot's have no blossoms fully open.

Poppy. One blossom appears at Talbot's.

Purple & blue Iris (Flower de Luce) is in full blossom or a little past. Has buds & withered flowers.

White Iris. Flowers are almost all gone or going.

Wild Iris. Blossoms plenty in wet places.

Yellow Lilies. Blossoms numerous some withered but not half the buds have opened.

Tall Valerian (*V. Phu. officinalis*) has blossoms.

Red Peony is near full blossom and makes a fine display. A number of buds not yet open.

Magnolia grandiflora, at Round Hill, has blossoms but they are unsightly & seem imperfect. The petals about 5 inches long.

Horse Chestnut. Trees have generally lost most of their flowers. Some retain them nearly all.

Mountain Ash as Horse Chestnut, but a few trees are later.

High Cranbury. The inside buds begin to open.

Mowings.

These present a rich appearance in the village. They are variegated with the green of grasses and herbs, the red of clover, the yellow of buttercups, the white of fleabanes, the brownish of the Vernal panicles, and the reddish brown of a portion of the poa panicles. Some of the poa panicles are green - most of them in places.

The Vernal grass panicles have lost their anthers but some white stamens remain. The color is now a brownish green. They are less reddish than the greater part of poa, and are obscured by poa and other graminaceous herbs on rich soils. On exhausted soils as on the Round Hill mowing, the Vernal is still predominant.

Mr. Hopkins & Dr. Walker's upper lots (small) mowed to-day.

June 1851.

Friday 6.

Walked out to Bensonville, R.M.

Wild Raspberry has passed the full, but has many flowers - mean looking.

Dewberry has many flowers - quite white in places. Will continue to blossom some time. Not full. Showy flowers.

Tall Blackberry is less forward than Dewberry but has many large flowers. Perhaps not over $\frac{1}{4}$ of buds are open or $\frac{1}{3}$.

Silvery potentilla or Cinquefoil has blossoms.

Golden Senecio is in flower in the lot near the Papermill school house, & has been some time, perhaps for weeks. Looks like that on the top of the mountain (Holyoke).

Oxeye Daisy. But few flowers open by road sides, but in Burnell's lot on grill road, spots are white with these blossoms.

Wild Cherry, rough bark. Trees are generally past the full, & flowers brownish, but some trees seem to be in full blossom now.

Poa aquatica by the brook at side of road and in Cooks lot on Mill road, is putting forth panicles abundantly. Some are almost out of the sheath, and most are partially out, but some do not yet show their tips. They are purplish.

Poa nervata grows with the *aquatica* in these wet places. Is a little more advanced than the *aquatica* - has some panicles entirely out. Has a lighter purple than the other.

Poa compressa grows by the road sides much of the way. Has a smaller and lighter-colored panicle than the *poa pratensis*, and stalks stand more singly or alone. Mostly on dry land.

Blue Wild Iris has flowers in lot near School House. The color of these is blue, not purple.

Europe (Sun Aug. 11.)

Apple & Plum were "in bloom" about London May 13.

Lilacs had hardly begun to blossom May 13.

There seem no forwarder than here, or not much.

Horse Chestnuts about Paris & Versailles were in full bloom May 22. This is but a little in advance of those in N.H. season in France said to be cold and late.

Hay Harvest was just finished about Paris June 26. Haying about Liverpool week June 30 - July 5. Expected to finish by July 12. Wheat in blossom July 4.

Honeysuckle begins to blossom.

Saturday 7. Cool. Fire necessary.

Sunday 8. Cool. Fire necessary. Stranger A.M. I did not go to meeting P.M.

Monday 9. Cool. Fire needed.

June 1851

Tuesday 10.

Walked out to Bensonville. P.M.

Vegetation not much change since I went out on Friday. Weather has been cool.

High Laurel, I found no blossoms, but some buds almost open. Will probably begin to blossom tomorrow.

Low Laurel, has a few blossoms.

Bush Honeysuckle (*Lonicera*) has a few flowers by road side.

Rock Rose. Flowers are out by the side of the road.

Cucumber Root (*Melodora*) begins to blossom in the woods. Flowers show three long red stigmas.

Yellow Star Grass (*Hypoxis*) is in blossom. Very plenty in Winkler's lot (upper end of Paradise lot).

Jacob's Ladder, is 7 or 8 feet high in some places; and begins to blossom by fence next to Talbot's mowing.

Lousewort has lost all flowers, and gone to seed - shows the prolonged capsules.

Maple Leaf Viburnum has flowers.

In Gardens, &c.

Syringa. Many bushes are in full blossom, and some are not.

Scotch Rose continues with Syringa. is in about full blossom. Some have fallen & some buds are not open.

Yellow Lily. These flowers are about full like the two preceding. Some are withered and some buds unopened.

Red Peonies were in great glory about two days since, and still make a fine show, though waning. Few things in the flower garden are more splendid.

White Peonies at Brights are in the same state.

Oriental Poppy at Dr. Walker's has 3 blossoms. Probably began yesterday. Similar at Mr. West's.

Other Poppies are increasing. Not plenty.

Pinks, common, both double & single, show many blossoms, but not one fourth of the buds are open. The Red pink buds, these.

Sweet William. A few blossoms appear in two or three places. Began to-day probably.

Yellow Roses. Brights Bush looks finely but is not full. Mr. Shepard's bushes are not so far advanced, but show many flowers. Also Dr. Walker's.

Climbing Roses are increasing - not $\frac{1}{4}$ open
Cinnamon Roses are increasing, not half open

Snow Balls are fading. Many are fresh yet.

Tall Cranberry. Middle blossoms are open - it is full.

Persian Lilac. Flowers are mostly gone. Some left.

Purple Iris. Flowers mostly gone.

Horsechestnuts, on early trees, show buds $3\frac{1}{10}$ of an inch in diameter, nearly round.

Pheasant's Eye (*Adonis autumnalis*) is in blossom at Dr. Walker's.

Sage is in blossom.

Season is now about 7 or 8 days forward of last year.

June 1851

Wednesday 11.

Vegetation, Flowers.

Pennsylvanica Anemone - a plant so labelled has been in flower some days at Wests. Large white flowers with 5 petals or sepals.

Spiraea Reevesiana (so labelled at Wests) has been in flower some days - most have withered.

Spiraea crataegifolia - been some days in blossom, & now all are fallen or brown. Same plant, I think, that was noticed in Dr Hopkins garden, June 7, 1850. - I follow the label - *Knap* - not whether it's right. In June, 1852, June 3, 1853. Leaf narrower than Dr. H.

White Single Peony, with the common leaf & stalk, has been in blossom 3 or 4 days at Wests.

Gillenia trifoliata (so labelled at Wests) begins to blossom.

Phlox divaricata (so labelled at Wests) has been in blossom two or three days.

Cyranium Sanguineum - (so labelled at Wests) has been in flower several days.

Iris Siberica (so labelled at Wests) has been in blossom 2 or 3 days. Stalks above 3 feet high, slender, and flower delicate. See June 7, 1852, June 3, 1853.

Canterbury Bells - are in blossom at Wests seem to have begun yesterday.

Middle Iris, at Wests, still retains much of its freshness & beauty, though the other kinds, blue or purple, and the white, are nearly all gone. This commenced about with them. - The falling petals are purple & white, striped; the rising ones whitish or cream-colored - not a clear white.

Dwarf Robinia. All kinds are in blossom and were yesterday. Some mentioned May 29, as then in flower, were recently purchased, or last year, and are earlier than those that have long been here.

Roses. West has a world of them, but none are open, or very few, except the climbing. There will be a great display in a few days - Mrs Woodman has the climbing rose, Scotch rose, and one noticed June 5, in blossom. The latter is almost white, much larger than Scotch rose, & partially double.

Some of Mr West's flowers are new, having been purchased in the spring of 1850. Have been in the garden only one winter, i.e. his garden.

Yarrow has blossoms. Also Self Heal.

Helastus scandens is in blossom - has been a day or two.

Wild Grapes are in blossom.

Three leaf Fivefinger is in blossom.

Arrow wood (*Viburnum nudum*) begins to blossom at Mansion House.

Tulip Tree at Wests is in full blossom or thereabouts.

see Feb. 16

Some unopened buds and some faded blossoms. Leaves are not all developed yet. Many buds have brought forth 8 leaves, successively.

Early Phlox, has been out 3 or 4 days in other gardens.

June 1851

Thursday 12

Vegetation

Hornelots, &c.

Alopecurus geniculatus is in many wet, rich places in lots & by the road. Has long been out. Stem crooked or kneeed, & short.

Alopecurus pratensis is, is taller. Not so often seen.

Orchard Grass at West, &c. That exposed to the sun is in full blossom perhaps. The anthers are numerous, a little reddish or purplish, and they make the plant appear downy or cottony.

Hardgrass showed tips of spikes June 9, and a few heads are ^{now} out of the sheath & more partly out. Yet not much is seen, & and it requires some research to find that which is out.

Poa aquatica } These are plenty in wet places in
Poa nemoralis } lots above the old canal and
elsewhere. The latter is the most forward but not the tallest. Both have purple panicles. The *P. aquatica* has very few panicles fully out, and some are hardly visible.

Tall *Festuca* & some not tall, exhibits many panicles, but they are not conspicuous yet - are not developed. Will be much higher.

Tall Oat Grass at Whitney's. Some of it is 4 feet high or more, with panicles from 6 to 8 inches long, but rather narrow. Most panicles, not all, are out of the sheath. Most stalks are near 3 feet high. No anthers or blossoms discovered.

Tall Reed Grass at Mrs. Wellis, Mr. Lawrence, &c. (*Phalaris*) shows more or less of the panicles, generally, but most are not fully out. A few are out & spread and show anthers.

Triticum repens, on bank by lower garden, has some spikes entirely out of the sheath; others half out and others not visible. The spikes noticed June 2 seem to have been premature.

Vernal Grass, sweet-scented, is now mostly obscured in rich sowings, other grasses having overtopped it. On leaner soils it is yet somewhat conspicuous, but has lost the reddish, & is only greenish brown.

Poa Pratensis } These grasses are very generally
Poa Trivialis } in flower, but more or less is not so far advanced. The greater part has a purplish hue, derived from the color of the spikelets and of the anthers. The anthers that I have examined are all purplish, even those from heads that show no purple a few feet distant. The heads that are entirely green to appearance, are many of them not in flower, & those which are in flower let fall purple anthers when shaken. Some purplish panicles are not in flower.

Clovers white } Were about in full blossom two days
and red } ago or three, and they are still in that state. Some heads are withered in part in early places. In some places clover is not full.

P.S. Not much change June 16. Full now.

June 12. 1851.

Thursday 12.

Vegetation continued.

Weeds, or Plants not grass in hornelots.

Crowfoot Tall (*R. acris* is in full blossom or the real goats. Many have fallen & many buds are unopened.

Bulbous Crowfoot. Flowers are falling, and have become less numerous, & are hid by the grasses.

Dock, narrow leaf, shoots up its tall stems among the grass and is in flower.

Dock, broad leaf, is not so tall nor so forward as the other, but is perhaps most plenty.

Fleabane No. 1. is not seen in rich hornelots. Seems to be in full blossom or past.

Fleabane No. 2. is plenty in some lots, and near full, but not quite. many unopened buds.

Fleabane No. 3. of the meadow, chiefly. } These show

Fleabane No. 4. of the upland chiefly } buds partially open, but rays not yet grown. I have noticed but one or two real flowers.

Tall meadow Rue is not in flower in snowings.

Meadow Parsnip, tall & great leaves, is in blossom in Mrs. Woodward's lot - probably in meadow.

Blue Iris, handsome, is in wet places.

Hornelots present a rich appearance.

- a great variety of colors. In many, the grass is lodged. Several have mowed within two days as Bright, Bliss, &c.

Flowers.

Silenes (I imagine - perhaps not.) are in many gardens - some about a foot high, and others more than two feet. are pink, white, & other hues. Blossoms of the high ones have been increasing some days at Brights, & many appear. A swelling calyx. Plant quite pubescent.

Italian Honeysuckle, with flowers reddish outside, and yellowish or white within, fragrant, is in blossom at Talbotts.

Snowberry has been in blossom 3 or 4 days

Satin Flower has lost most of its flowers, and is full of elliptic or oval silicles, $1\frac{1}{2}$ by $1\frac{1}{4}$ inch.

Common Locust seems to be in full blossom or a little past. Flowers are falling from some trees.

Orange Lily with upright flowers is in blossom at Brights. This is a real lily.

Low Mallows is in blossom.

Salsify or Vegetable Cyster (*Tragopogon porrifolius*) has run up to flowers at Talbotts. Flowers are large & 4 feet from ground. Quite a display of these flowers at Wests. Not so tall.

Cherries are reddish on some trees, and robins and cherry birds are pecking them.

Yellow Buzz appeared in some gardens June 8. in others later. I have seen none in my garden. Some on Mr. Shepard's squashes.

June 12. 1851.

Thursday 12

Walked over to Aqua vitae meadow, Hadley, and intended to cross the little brook from the swamp, into the village, but water set back into it, from the Connecticut, and I could not cross it, nor the swamps above it, & had to come back in the meadows.

see July 9 1849 } Aqua vitae Meadow. [Misc. 16. 204.]

This is a succession of elevations or ridges and hollows, running not parallel with the N. or S. side of the meadow but inclining towards the swamp or pond that is along by the foot of the N. bank of the meadow.

Poa Pratensis and *Trivialis* are scattered over most of the meadow, and the panicles give the meadow a russet or reddish brown appearance, even where this grass is only thinly scattered. This is the most plenty on the south side of the meadow and the lower half, where either alone, or mingled with *Triticum*, it is stout & heavy, or both are. On a large portion of the meadow it is thin, at least the stalks are, but in the whole, will yield a large quantity of hay.

Triticum repens or Quack Grass is plenty on the South side and lower half of the meadow, and there are spots of it higher up the river, and also in other parts of the meadow. It forms alone or mingled with *Poa* (or both together, make) a great burden of grass on S. & E. part of meadow. It inclines to eradicate every thing else, & will probably drive out the English or *Poa* where they are mingled. In extending northerly, it sometimes leaps over an elevation or ridge, and grows on its northern brow & slope. In some places it is two feet high or more; in others, about one foot, and in some still lower. The spikes, many of them, show their tops, or one half of the spike, but few or none are fully out.

Circa. This shining, silky grass grows on the north side of the meadow, next to the swamp or wet land, and extends from the brook, opposite the end of Hadley Street up almost to the parting of the roads or public highways, beyond the bridge, in the meadow. It is generally from 10 to 20 rods in width, but quite varied following up hollows, westwardly, much farther than it does the ridges. Most of it is on the slope that descends towards the swamp, and on the lower ends of ridges, & on intervals between ridges. It is generally thinly scattered, but in some places is thick. It gives a hue to the northern side of the meadow - or many different hues, even where it is quite sparse. This and the *Poa*, or English, are the only grasses that show panicles, & exhibit reddish or purplish colors in the meadow.

June 1851

Thursday 12.

Aquavitae Meadow, continued.

The *Aira* does not make a great quantity of hay but it is a delicate, beautiful grass—smooth, shining, silky, to look at. The wind to day blew from the west or northwest, & the sun when I was in the meadow shone from nearly the same direction. In looking at the grass towards the sun & wind it was silvery or silver gray, & glossy, and constantly varying the hue in the wind. In looking at it eastward, or east of where I stood, and in the stalks bent by the wind, all its light colors had gone, and it presented only a deep purple color & much darker than the reddish brown of the *Poa* farther south. This purple could be seen 100 rods or more, down to near the village. In looking at the grass southerly, it was continually changing its hues from silvery to purple, as it waved in the wind. It likes moist land but will not grow in a swamp. Where it is rather low, many brakes & much *Carex* grow with it; on higher ground, white clover accompanies it abundantly, some red clover and English grass, and *Andropogon*, *Venus Pride*, *Poa* setail, and other grasses & herb s. & *Carex*.

Hexelsgrass. I saw a few heads partially out but very little grows in this meadow.

Andropogon is more or less plenty on more than half of the meadow. I judge but it shows only leaves from 8 to 14 inches long, and no stems. There will be much of it at mowing time, I think. It is on ridges and in depressions, but will not grow where the land is very wet.

Reed top is scattered over much of the meadow but it is only 6 or 8 inches high, and is not conspicuous.

Poa aquatica grows at upper end of swamp. Panicles are partially out, not entirely.

Poa serotina, I saw a few bunches of this, as I supposed, on lower part of meadow, with panicles not fully out.

Red Clover is thick in many places on the elevations, for 100 rods or more, in the central parts of the meadow. Some heads began to fade. It is scattered some elsewhere, but not so plenty below, where grass is heavy, or above, where it is lighter.

White Clover is scattered here & there, but is chiefly on the north side of the meadow, on the higher ground, on which the *Aira* grows. but some of it rather low. It is very thick in places, making a dense mass of leaves & stems and making the ground whitish with blossoms.

June 1851.

Thursday 12.

Aquavitae Meadow. - continued
Plants not Grasses.

Eregerons or Fleabanes. No 1. is in various parts of the meadow, & makes quite a show of white on elevations in central parts of the meadow. It is yet showy, but is fading.

No 2. I saw some near lower end of meadow, and more on ridges with No 1. In ~~northern~~ part of meadow. But is rare compared with No 1.

Senecio. This golden flower is abundant in some places, on elevations & slopes, and makes yellow spots of some extent. Is bright & full.

Lupines are in flower, & are quite plenty in a few spots. Some white ones noticed.

Crowfoot. I saw only three or four plants of *Ranalis*.

Hues of the Meadow.

Besides the general green, the meadow is much diversified by the reddish brown of the *POA*, the purple & other hues of the *aira*, the blue of the lupine, the white of the *Fleabanes* and a white clover, the red of the red clover, and the yellow of the *senecio*.

Venus Pield is very plenty among the *aira* and white clover, but does not show at a distance.

The Meadow brake or fern is common in low places, with the *aira*, & sedges, and is frequently seen on high ground.

The Meadow Horsetail is abundant on much of the meadow, where the grass is not stout. It is on the top of ridges as well as in depressions.

Marsh Horsetail covers most of the swamps. Many spikes of inflorescence visible.

Club Rush & Sweet Flag grow in the swamps.

Sedges of several kinds grow near the swamps and they are scattered into other parts.

Tall, broad leaf grasses, as *Calamagrostis*, and *Panicum virgatum*, show only leaves and stems. Other *Panicums* are seen.

Herbs. Lilies, Milkweed, Fleabanes Nos 3 & 4, Alexanders, Barberry, Convolvulus, and Dogbane are among the grass. Only A. B. in blossom and they are rare. Much poisonivy.

Narrow leaf Dock is abundant on lower part of meadow, near water, & in an old road.

In some places are abundance of dandelion plants (blossoms gone) and plantain. Probably water stood in these places too long for grass. Some *aira* with them.

Yarrow shows many blossoms - has been out some days.

Oxeye Daisy is in blossom - not many buds open.

Roses on low bushes have many flowers.

Dewberry is in blossom - upper part of meadow.

Solomon's Seal shows small berries. Self Heal has blossoms.

Polygonatum shows buds hanging from axils of leaves.

Blue eyed grass is in blossom. Iris in blossom.

Five finger is in blossom. Scabious not in blossom.

June 1837.

Thursday 12.

Aquavitae meadow - continued

In the lower part or half of the meadow, the grass is the stoutest, and on the southern side, and will require the scythe in a week or ten days. In the upper part of the meadow the grass is stouter on the northern than on the southern side, in places.

On each side of the brook, below and against the end of Hadley Street, there are spots where but little grass grows; also on the Connecticut above the mouth of the brook. Dock & other herbs are plenty. These bare or grassless spots are rich land, and must have suffered from an excess of water I think, and still are not swampy.

The real swamp from upper to lower end is full of horsetail, with some cluberush, flag, much arrow head, pond dogwood, and some other coarse plants.

Ploughed or arable Meadow.

I saw but a small part of this, near to it. Saw people hoeing broom corn.

Indian corn. I saw one piece from 5 to 8 inches high, other pieces not so forward, or some were not, but all hoed that I saw.

Broom corn is quite small, as it always is so early in the season. I saw pieces hoed, and some not hoed. Broom corn planted at same time with Indian corn is not ready to hoe so soon.

Oats. I saw some 6 to 9 inches high. Yellow blossoms of wild radish. I saw in some grain - probably oats.

Rye is said to be good. I did not pass by any.

Clover & Herdsgrass. When these have been sown two years, clover is in full blossom or near it, and herdsgrass shows a few tips of heads. Pieces sown last year are not quite so far advanced.

Live Things.

Bobolinks are plenty. I observed six at one time perched on tops of clover.

Woodchuck Holes. I saw several that evidently had tenants. The animals literally live in clover.

Butterflies. I saw only ~~only~~ two sorts, both small - one reddish before noticed, and one dark colored.

Cricket, sing here as elsewhere. - not in choir but singly, I think.

Grasshoppers are very rare.

Bees. Their hum is very distinct in the clover places.

White Millers are common.

Poplar Stumps. I saw one in the meadow, where the tree had been cut within a year or two, which was 2 $\frac{1}{2}$ feet in diameter. River Poplar. Seemed to have 3 centres of rings.

June 1857

Friday 13.

Saturday 14.

Round Hill.

Goowheat (*Melanopyrum*) has begun to blossom

Round leaved *Pyrola*, has racemes of flower buds, not open.

Sarricle is in flower - has been some days.

Bush Honeysuckle, begins to blossom. Noticed elsewhere before.

Maple Leaf *Viburnum* " Do - " " "

Indian Cucumber " - do " " "

Squaw Whortleberries continue in blossom

Rock Rose - flowers plenty back of the Hill

Panicle Dogwood - has flower buds no blossoms. [out about 20th]

Five finger, the common, leaves & vines & blossoms cover considerable land back of the Hill. Acres of barren land may be found elsewhere covered with this plant.

Grasses.

Holcus lanatus, is on the lower side of Round Hill mowing lot. Its reddish or purplish panicles are partly out, & a very few are out and have anthers. It is about as far advanced as the *P. arundinacea* or Tall Reed grass, and panicles of nearly the same color.

Danthonia spicata. This grass, which covers thousands of acres of exhausted land, grows back of Round Hill. It has shot up stems and panicles, but panicles are not open or spread yet, or only partially so.

Poa compressa. I find this grass to be very extensively diffused; but is thin & scattered, and no great quantity will be found on any one acre.

Glammy Locust begins to blossom.

Gleditsia Locust begins to blossom.

White Peony. Large double opened at Dr Barret's yesterday; at Mr Wells' today.

Red Peonies are mostly fallen. Some bright flowers remain.

Digitalis. The purple has flowered at Brighton has had one or two days. [Some at Mr Woodward's June 16, and some white almost open.]

White Single Peony continues in blossom at Wests.

Chesnut Trees have aments from 3 to 6 or 7 inches in length. Average perhaps $4\frac{1}{2}$ inches

Lightning Bugs. I first saw their lights on the evening of June 14. Some observed them one or two evenings sooner.

June 1857.

Sunday 15. Mr. Dole (of Beverly, so said) Preached.
at Round Hill Watercure.

Monday 16.

Vegetation. Weather rather cool since June began.

Roses. Several new kinds have begun to blossom
— have a flower or two open or half open, or half a dozen.
— on a few kinds have a considerable number of flowers.

Climbing (Boursault) Rose is about full blossom
Those bushes that first had open flowers, have
more or less faded & fallen, & not a few unopened buds.
Their appearance is not so good as it has been. Other
bushes have roses all fresh, and many buds.

Yellow Roses are still showy & look well, but not
a few are fallen or falling. Some buds unopened.

Scotch Roses. The greater part have fallen. Some blossoms
remain & some unopened buds.

Large Rose, almost white, double, on a bushy about
as spiny as that of the Scotch Rose, at Mrs. Woodward's
and elsewhere, is passed the full, but has many
blossoms.

Cinnamon Rose shows many flowers and half
flowers.

Burgundy Rose. This small rose is in blossom

Common Pink, fringed & double, leaves pale green
or whitish green, is in full blossom or nearly
so. Very plenty.

Similar Pink, single at Cottons, is more advanced.

Red Pink on plant with dark green leaves, has
long been out at West.

Red Pink with dark green leaves, later, shows
blossoms. at ~~West~~ Mrs. Shepard's. Taller than preceding.

Pall pink, lighter leaves, not yet open.

Syringa. These flowers, though falling, are still showy.
many remain.

Syringa. The large flowered begin to blossom June 14

Yellow Lilies are fading & falling, but many
remain. Wane faster than Syringas.

Sweet William. Flowers are plenty but not half
the buds are open

Violets, large handsome, are out at Mrs. Walker's
and elsewhere. Some are a very dark purple with
very little other color.

Privet or Prim has a very few blossoms at P. Pomeroy's
Has not begun to blossom at Mrs. Dwigts.

Phlox. Common purple, in bunches, shows a
mass of flowers. — Some at West has each
petal half purple & half white, just begun to blossom.

Rocket. Flowers are showy but fast falling.

Ragged Robin, is fading but yet showy.

Catchfly (Silene), smooth stem & leaves, is in blossom
at Dr. Walker's. Has clammy places on the stem.
It is probably Silene armeria

Columbines. Many have faded & fallen, and many
blossoms remain.

Delicate Iris (noticed in years past) begins to blossom at Talbot's.
Different from that at West's.

Conflag (Gladious) is in blossom at Talbot's.

Chrysothrix (later ones) are loaded with flowers
Clammy locusts are loaded with buds & many flowers.

June 1851

Monday 16. Vegetation - continued.

Meadow Crops. I walked into a part of North & South Meadows.

Indian Corn is from 4 to 8 inches high as it stands - generally from 5 to 7 - will not average over 6 inches. Has been hoed once, & a little of it twice.

Broom Corn is from 2 to 4 inches high, will hardly average 3 inches. Much is only about 2 inches as it stands. Almost all has been hoed once - but some not. I saw some hoeing broom corn. Yet a very few pieces have been hoed twice, though only from 3 to 4 inches high. Some hills, maybe 5 inches.

Potatoes are up and hoed - some 4 or 5 inches high.

Hoeing the first time was chiefly done the two last weeks, or from June 2 to 14 inclusive. A little was hoed before June 2, & some is not yet hoed. That which has been hoed a second time is less than that which has not been hoed once. The land in Hockanum meadow is warmer & earlier than in our meadows, (Hockanum is ours now,) and more second hoeing done in comparison to the quantity.

The weather is cool & corn grows slowly.

Rye looks well. Most of the flowers have fallen, but many yellow anthers still dangle by their white filaments. One piece that I examined has heads taller than I am (6 feet.) and averages about 5 feet. Others, very average 4½ feet high; but some not over 4 feet, and some less than 4 or 3½. As the crop advances, the heads become less purplish. Heads do not yet droop with the weight of the kernels.

Wheat. Several pieces noticed; 1½ to 3 feet high. Heads are barely out in general; some not out, and some show a little smooth stem below the head.

Clover sowed last year, & perhaps that sowed two years ago, makes extensive patches of red and looks finely. It is about fully out, but has not in general begun to turn brown - is nearly all bright and fresh. Seems to overpower the birdsgrass that is with it in some pieces, except in spots.

Grasses in meadow & upland.

Herdgrass heads are out here & there, but not plenty nor conspicuous. Increasing daily.

Redtop just begins to show the tip or point of a few panicles in meadow & uplands. Very few seen - must be looked after, to be found.

Panicum. The broad leaf (an inch wide or more) just begins to show tops of panicles near Mill River.

A species with a narrower leaf, but somewhat broad, is more advanced. The tall *Panicum virgatum* shows no panicles.

Calamagrostis by Mill river has some panicles half out or more. None fully out. Many not visible.

Poa aquatica & *Poa nervata* } I find these near each other in wet places in meadow & upland. The *P. aquatica* occupies the wettest places, & the other is near it. The great panicles of the *P. a.* are not fully out. The smaller panicles of *P. nervata* are fully out and branches heavy & drooping.

June 1851

Monday 16. Vegetation.

Wild Morning Glory has a few blossoms
on the Rail Road.

Verbnum nudum by Mill River has many
flowers, but is not fully out. *Verb. V. dentatum*?

Tall Meadow Rue, begins to blossom in some places,
or is very near it.

Jacob's Ladder by Mill River is in full blossom
and passed.

Common Elder is now where in blossom.

Oats in the meadow (omitted in the crops)
is in some pieces more than a foot high.
Some parcels are quite yellow with
the wild Radish.

Tall Meadow Parsnip shows many broad umbels
of white flowers; and some umbels still green
with buds.

Erigeron or Fleabane No. 3. This is plenty
in the meadow & some on upland. It shows
many disks with short rays or no rays.
Many half flowers, or flowers with rays half
grown, scarcely one fully out.

Erigeron or Fleabane No. 4 - a larger, taller
plant than No. 3, and a little later. I have
seen a single plant with flowers (noticed before) but
in general they are not so forward as No. 3.

Shagbark Walnuts. The little Walnuts are about
half an inch long and $\frac{1}{4}$ of an inch in diameter,
not larger than these measures.

Butternuts are $\frac{3}{4}$ of an inch long, or a little more, and a little
thicker than Walnuts.

Bullrush. The tall *Juncus effusus* has for weeks
shown its panicles, protruded from the side of the stem.
Is prominent in very wet, swampy places. And
several other species of *Juncus* are seen.

Clute Rush of various sorts is seen; one kind very tall in
water or mud.

Carex or Sedge. Many species show heads.

Storckleberries. Very quantities have been carried to New York
on the Erie Rail Road.
Some are ripe in gardens & fields here, but not many.

Comparison of Seasons

The weather has been rather cool in June, and the
season or vegetation is approximating to what it was
last year. The difference now is only five days.

June 16. 1851 corresponds nearly with

June 21. 1850, or 5 days earlier.

June 19. 1849, or 3 days earlier

June 11. 1848 or 5 days later

June 19. 1847 or 3 days earlier

June 16. 1846. or 10 days later.

Difference of extremes - 15 days.

June 1851

Tuesday 17. Sister Smith & Anne S. came.

Wednesday 18.

Thursday 19. Sister Smith & Anne left Bristol at
thence, for Wetherhampton.

Walked out to Greenville (Bensonville)
P.M. on account of Frances & the babe.

Erigerons No. 3 & 4, are in blossom by way-
side and in lots, but rays are generally shorter
than they will be. Not much difference
in the two species as to time of flowering.

Laurels, both sorts have many flowers, but many
buds are not open, especially on the high laurel.
High Laurel has fewer buds than usual, this
Season.

Water Poles by Road in lots.

Poa aquatica is seen in many places
and shows its purple panicles, nodding,
though in general not fully out.

Poa nemoralis is the most forward of the four,
and is in several spots.

Poa serotina } These are more rare and
Poa Canadensis } later, than the other two.
are by the brook. The panicles of each
are not fully out of the sheath. Those
of *P. serotina* are erect & not much spread,
and very little purplish. Those of *P. Canaden-
sis* are drooping & green and leaves on
a leaf erect itself above the panicle.

Redtop. Here & there the tip of a panicle is seen,
as in the village.

Dewberries } These continue to blossom by the
Black berries, tall } road side, though waning, and
diminishing in number of blossoms.

Bush Honeysuckle by roadside. Many flowers, but not
yet full.

Oxeye Daisy has many flowers - is plenty in spots,
but the buds are not half open by road side.

Yarrow is only partially in blossom by the road.
Is more forward in meadows than on upland.

Friday 20.

Flowers.

Boursault or *Climbing Roses* exhibit more
flowers than at any time previous, but the early
ones do not look so great as they have done, owing
to faded & fallen petals. They are quite as showy as
they have been, or more so. Some buds remain.

Blossoms now appear on many kinds of roses.

The Old White Rose has been out two or three days.
Eglantines or *Sweet Briars*, have been in blossom some days.
Those that first blossomed, *Rosa ferax*, continue to blossom
at Mrs. Woodward's, but are nearly through.

Yellow Roses continue, though very many have fallen.

Peony. The White, double, is now near full
blossom, but not quite, makes a rich appearance.

Pale or Pink *Peony*, has a very few blossoms today,
on some plants. Others have only half open buds, and
smaller. Began at Mrs. Wells' yesterday.

June 1851

Friday 20. Flowers continued.

Syringa. Bushes have lost from $\frac{1}{4}$ to $\frac{3}{4}$ or $\frac{7}{8}$ of their flowers. More than half have fallen, but some bushes retain near $\frac{3}{4}$, while others have only $\frac{1}{4}$ or $\frac{1}{8}$.

Yellow Lily. Are almost all gone, yet a few blossoms and buds remain.

all alls, musk or some species of that height, have begun to blossom.

Larkspurs are open in several places - commenced a day or two since.

Dwarf Hispid Locust. The early ones, first noticed, have lost almost all their flowers.

The old ones, in several gardens, are now borne down with the weight of flowers - about full.

Clammy Locust. These trees are loaded with flowers and buds. Half the buds are open on some trees and two thirds on some.

Smoke Tree at Wests. The flowers are falling, and the beginning of purple filaments is seen. Other trees are in blossom only.

Tulip Tree at Wests. many blossoms withering or fading. The blossoms at Talbot's and Bright's are somewhat faded, but many are bright.

20 + 16. The leaf buds of the Tulip trees have not yet disclosed all their leaves. Some buds have put forth 8 and others 9 leaves, yet another remains folded up in a case.

Indigo Weed at Wests has shed most of its flowers.

Syringa, large flowered, is near full blossom but not quite. More or less buds unopened. Full 22.

Magnolia glauca has one blossom at Talbot's. [Several blossoms 23d.

Bachelor's Button (*Centaura*) has had flowers some days at W. H. Stoddard's.

Cockle (*Lycinis*) is in flower at Stoddard's & elsewhere.

Sweet Williams are abundant, but very many buds are not open. Many colors. Some are white.

Poppies are plenty at Talbot's.

Primm or Privet. Mrs. Dwight's did not begin to blossom till yesterday.

Pinks. The most common of all is the Double fringed pink, which is so fringed as to look quite feathery. Color a pale pink. Leaves light green. Stems short. These are in full blossom and a little more. These constitute more than half the pinks in the village.

Yellow Iris at Williston's. A little passed full brightness. Candytuft is in blossom.

Pinks. On examining those at Cottons. I find they are not single, but have 15 petals; but are not near as "double" or full as those above. Same color & fringed like those. They are on the wane.

Damask Rose - that of former days, has been in blossom some days - fragrant and red, or dark pink.

Eschscholzia has had blossoms some days.

Double Feverfew has blossoms.

June 18.57

Friday 20. Flowers—continued.
On the Rail Road—below meadow Bridge.

Four leaved Loosestrife is in blossom.

Common Elder, has begun to blossom. A few blossoms on two or three bushes, but hundreds of bushes have only buds.

Common Asclepias—no buds open yet
Mullein. A few buds half open.

Poke berry. Small racemes of buds.

Peppergrass begins to blossom. viz. the wild *p.*
orkepidium virginicum.

Fleabanes No. 3 & 4 are in blossom on or near the
Rail Road. yet the rays are not fully grown.
No. 1 & 2 may be found on and near Rail Road.
No. 5, also, from 4 inches to 18 inches high. No flower buds
are visible yet on No 5.

Tall meadow Rue in blossom near Rail Road.
Yarrow. Only a small part of buds open.

Fruits. Living Things.

Cherries. They are red or reddish on many
trees, and some may be ripe. Green on some
trees. Robins and cherry birds are very
busy in getting cherries.

Strawberries in gardens. Some are ripe. Robins
plunder them, & perhaps other birds. Turkeys
like them, as I noticed at West.

Currants are almost all green; a few of the more
exposed ones have begun to turn red.

Crickets sing in the evening, but the sounds
are disconnected; there is not a regular
succession of notes.

Lightning bugs are very plenty, especially on
low ground near the brooks.

Catbird sings daily—more than any other bird.
Wood birds. Some sing in the village; and
many in Round Hill woods.

Other birds sing a little in the village—Occasionally
the notes of the robin, Oriole, Phebe, &c, are heard.
Also the bobolink is sometimes in the hornelots.

The twittering of the Chimney Swallow is heard at almost
all hours of the day, until after sunset.

Many young birds are about with the old ones. Some
young Wrens.

House Flies. Here & there one is seen—not half a dozen.
P.S. June 22 and 23. a dozen or more noticed.

Musketoos. I did not see or hear one in the house
until the evening of June 22.

Apple Tree Worms. There are none, & no nests. Very few
nests on wild cherry trees.

Saturday 21.

Second Hoeing has been going on very busily this
week, and some first hoeing.

Hornelots. They continue to mow them. Many mowed
this week. Many remain unmowed.

Sunday 22. Mr Dole preached again.

June 1851

Monday 23.

Flowers

ROSES are now very plenty, though the greater part of buds are not open.

MOSS ROSES were almost open June 21 - fully open June 22 and to-day, at Mr. S.'s. Open earlier in some places.

White Roses are quite plenty.

Cinnamon Roses. Very many are withered, yet the bright ones are quite as numerous as they have been or more so.

Boursault Roses have lost much of their greatness & beauty yet they are abundant and showy. Are diminishing.

Mullein Pinks have begun to blossom, at Bright's.

Scarlet Lychnis shows blossoms, at Joy's.

Maple Leaf Raspberry has blossoms at Bright's.

Toad Flax (a snapdragon) has blossoms, near Barnett's front fence.

English Linden or Bass has a very few flowers.

American Bass has no flower buds at Talbot's.

Cleadow Sweet begins to blossom at Round Hill House

Glossy Locust. The most forward are about full. Some without flowers, & some unopened buds. Trees loaded like fruit trees in autumn.

Flowering of Grasses, &c.

Poa Pratensis mostly out of flower, or quite.

Orchard Grass is yet full of flowers, but are not fresh.

Fescue Grass - is about as tall as Orchard Grass - much difference in height; but it is usually taller than the grass around it. Is very full of anthers, many yellowish, some whitish.

Holcus lanatus (Round Hill Lot) has full panicles and is in blossom, & blossoms falling. Anthers brownish.

Hard Grass, shows heads abundantly, & half and quarter heads, yet very many are still invisible. Not in blossom. Spikes have not shot up tall.

Red top is not noticed without seeking for it. Some panicles show 3, 4 or 5 inches but none are wholly visible, & the greater part are not visible at all.

Tall Reed Grass at Mrs. Waller's & Mr. Lawrence's. is now from 3 to 5 feet high. Some stalks 6 feet at L.'s. Will average near 4 feet at L.'s. or quite. Anthers remain in abundance - light color, & some yellowish, and brownish. Panicle is a pale purple, or slightly reddish, and this color with that of the anthers gives a mixture of light color & reddish pale.

Criticum Repens, by fences, & road sides, shows whole spikes, many, and not a few that are partly sheathed.

Vernal Grass, on the Round Hill mowing, E. of buildings, has not in general been overpowered by taller grasses and much of the mowing is brown - the spike being almost dead or panicle. This lot has long been mowed without manure, & is rather lean. Richer mowings do not show this brown vernal grass, except in lean spots; in rich land, taller grasses have hid the vernal.

Tall Cat Grass at Whitney's is from 3 to 4½ and 5 feet high (where not mown) - some stems nearly 6 feet. Has no anthers now - probably out of blossom.

Green Peas are offered.

June 1851.

Tuesday 24.

Wednesday 25.

Thursday 26.

Harvesting in other places.

Wheat Harvest commenced in Maryland last week & is continued this week. Also has begun in Delaware, and about Cincinnati, O. They were harvesting wheat in some part of Georgia about the first of June.

They were harvesting wheat in North Carolina about the middle of June.

They were harvesting wheat in Middle Virginia last week & this.

Later. They were harvesting wheat about Poughkeepsie N.Y. July 14 - just begun.

Wheat Harvest commenced about Rochester (Pittsford, &c) July 9. Some ground into flour July 16. The great harvest week was July 14-19. Harvesting about Pennyan July 19. Harvesting in N.Y. July 21 to 26 much still being harvested. Harvesting wheat in Maine Aug. 7.

Friday 27.

Flowers.

Verbascum Sibericum is in flower at Wests. It is a Mullein but very different from ours, though its long spikes with ^{yellow} flowers resemble ours. Some leaves 2 feet long.

Lythrum, of some species, is in flower at Wests. An *Oenothera*, *Chelone* & *Ponstemum*, foreign, in flower.

Siberian *Spiraea* has begun to blossom at Millist, and the Shepards.

Staghorn Sumac has begun to blossom at Fort Hill.

Upright *Loasastife* is in flower on & near rail road.

The racemes are now conical, only the lower part in blossom.

Asclepias Syriaca or common Milkweed began to blossom one or two days since on Rail Road.

Poke Berry has a very few flowers at lower end of racemes, on Rail Road.

Oenothera, a species about a foot high has been in flower some time, in meadow.

Common *Elder*, not more than $\frac{1}{8}$ or $\frac{1}{6}$ of the flower buds are open.

Blue Vervain begins to blossom by rail road.

3. *Erigeron Strigosum*, or No. 3 is plenty in spots in both meadows. Not yet full. Both varieties are together, about the same height. One has leaves with a few teeth & the other has leaves entire. 2 to 2½ feet high.

4. *Erigeron Annuus*. This is found on the outskirts of the meadow some 4 or 5 plants. Many stems are four feet high & some five. About as forward as No. 3.

The Wild Radish makes many pieces of oat yellow. The yellow is seen from Holyoke.

Prinos verticillatus is in blossom by meadow road, opposite burying yard.

White Bush is in blossom by same road.

Poison Sumac by same road is not quite in blossom.

Meadow Sweet is in blossom by same road.

June 1851.

Friday 27

Meadows. I examined the upper part of South meadow, & went from Apthorps round by Venturers Field to the meadow Road near Josiah Parsons's in North meadow. There has been rather too much rain for corn.

Indian Corn has generally been hoed twice, and some pieces three times, & some only once. It is from 8 to 12 inches high as the corn stands. A few of the best pieces are from 9 to 14 inches high; & a few of the poorest only 16 to 9 inches. Some on upland is 2 feet high. Average in meadows not over 10 inches.

Broom Corn has generally been hoed twice but some only once, and a little three times. It is from 4 to 7 inches high - some hills 3 inches and some 8 inches. Will not average 6 inches.

Potatoes are about as high as corn - from 8 to 12 inches.

Oats are from 12 to 15 inches high - and much annoyed by Wild Radish.

Rye has lost much of its reddish brown. Heads are partly erect, and partly inclined, by the weight of the grain.

Wheat heads are fully out - average about 3 feet high, of stalk & heads.

Barley. Some short grain has hardly begun to show heads. Seems barley.

Tobacco. I noticed two pieces, two acres or more in all, of tobacco. The plants have been set out within a day or two.

Grass.

I saw none mowed except a little at upper end of meadow, opposite burying yard. Understood that E. Graves had begun to cut *Triticum* at at lower end of old Rainbow.

The Clover sowed last year, or any heavy clover, is about ready to cut. Some of the stoutest is fallen, some heads are withered.

Herdsgrass is generally out, but the spikes are not very tall yet. A few spikes have purple anthers.

Redtop shows panicles abundantly but few are entirely out. It is shooting forth and thickening the grass in many places.

Chess stands in bunches where was grain last year, or recently. Seems fully grown.

Panicum. A wide leaf species shoots out purplish panicles. *Panicum* of other kinds is seen.

Poa hirsuta shoots out obliquely its purple panicles, in some places. Not common.

Bees. Mr. Hibbins did not swarm until June 26. Very late.

June 1857

Saturday 28.

Flowers.

Roses are now very plenty in every direction but worms have destroyed the leaves of very many plants, as in years past. Mr. West has more roses than any man ever had before in this town. Michigan or Prairie Rose is now in blossom - a high climbing rose, more beautiful than the Bourasault.

Tall lily, orange color, 20 or 30 flowers on a plant, erect, have begun to blossom at Tallah.

Glammy Locust. Petals are fast withering & falling. yet a heavy load of fresh flowers remains.

Smoke Tree has shot forth plumose purplish filaments $\frac{1}{2}$ and $\frac{3}{4}$ of an inch in length & trees begin to be enveloped in a purplish mist. These shoot out where the blossom, were. Some blossoms remain.

English Linden. More than half of buds are open
American Bass. I notice some buds - not open.

~~Tree~~ white or light colored, with gentle touches of purplish. are in flower at Brights. New to me.

Shrub with a white flower at Stoddards is not known to me. Flower has 10 stamens, & I believe 5 pistils.

Shrub at old Stoddards with a reddish flower. They have a label, *Qua nyronus*, but I know no such genus.

Feather Grass of Gardens. It forms a sort of panicle with 6 or 8 long seeds. The glumes &c are awned; awns an inch or a half long. Seeds are over $\frac{1}{2}$ an inch long and at the end of each seed is a filament $\frac{1}{2}$ to 15 inches long. & this is feathered or has something featherlike on the sides, & gives the grass its name. P.S. It is *Stipa pennata*. See Johnson's Farmer's Encyclopaedia, England. He calls the long beard, an awn. Says it is sometimes a foot long.

Musc. 76.205) Home lots. [Sat June 25. 1850.

Mowings on side hill between Prospect and Elm Street and the Canal Road. These have long been in grass. Upper part is not very dry, & the rest is moist, & the lower part swampy in spots. In general, good grass lots. Most of the grass is mowed, but not quite dry. — On the swampy spots, or those very wet, the grass is composed of Vernal Grass, *Poa Pratensis*, Red clover, white clover, *Festuca*, *Herdsgrass*, and Redtop with panicles half out. I cannot give the proportions. One sort prevails in one part of a lot, and another in a different place. There is considerable of each of the 7 kinds mentioned. A swath of white clover in one spot; of tall *Festuca* in another &c. The three first named are more plenty perhaps than the others. I think they are.

On lower or wet parts of these mowings may be found some of the 7 species mentioned; but in the wettest places, is sedge, rush, *Poa aquatica*, *Poa nervata*, *Poa serotina* & others. The *P. aquatica* fills or is in the wettest places; is tall & has large showy panicles. On ground not so wet grows *P. nervata* which is scattered along up the hill; and the *P. serotina* which is not plenty & is mostly in bunches on the lower part of the lots.

June 1857.

Saturday 28

Following Grass—continued.

Poa serotina, sometimes called Meadow Redtop, has some resemblance to Redtop. (*Agrostis vulgaris*) *P. serotina* is over two feet high—some may be three. Panicles are generally unsheathed—some 8 to 10 inches long, ~~or more~~ are. They come out green & afterwards take on a little purple. Some have a purplish tinge now.

Redtop is not so forward in the same lots. None of the panicles are entirely out. They are generally purplish as soon as they show themselves, and the color becomes deeper—have much more color in general than those of *P. serotina*, though some are greenish. Are tall in some land & short in some places. Some redtop is over two feet high or will be; and indeed some stalks are now 2½ feet high, in moist rich places. Leaves about as wide again as those of *P. serotina*, and nearly as long. Some panicles quite long, when out. Does not like so moist ground as *P. serotina*.

Cat Tail or *Typha latifolia* now shows on a stem a sterile spike, and just below a fertile spike not fully grown and green. The upper one, more brown just begins to shed its flowers, though in general, it has not begun.

Herds Grass shows many purple anthers. Some heads are purplish.

Kind of Grass, in lot about Gothic Seminary has been in grass many years. The main grasses are Red Clover, White Clover (then perhaps brought in by ashes), English or *Poa*, Herds Grass, Vernal Grass, Redtop (heads not fully out.) Only 6 principal kinds. A little *Festuca*; and in the wet strip on the S.E. side, a little *Poa aquatica* & *Poa nemoralis*, & in one or two places, *Poa annua*. Little sedge.

Hornelot Grass is composed of the 6 species just mentioned, or the 7 on preceding page, principally, except in wet land. The *Festuca* is not so widely spread as the others. Orchard Grass, Tall Oat Grass, are plenty only in a few spots. *Holcus lanatus* is rare. *Triticum repens* is seldom seen in Hornelot, but is near fences by the road, & near houses, in some cases.

In wet and swampy places in Hornelot, are found the Wet *Poas*, of three species, several kinds of sedge and *Juncus* or rush, and if not quite swampy, some of the seven species grow in wet land. Even white clover is seen thick under *Poa aquatica*. Tall Reed Grass is found in two or three wet lots; and the *Alopecurus* is found in wet lands, but not common.

June 1851

Sunday 29. Mr. Smith, who resides here, a school teacher agent, preached A.M. Mr. Knapp of Hatfield P.M. A warm day. Thermometer at 88 from 1 till 4.

Monday 30. Vegetation advances rapidly.

Celery & Smallage seem to be the same, or varieties of the same species, *Opium graveolens*. A plant left to grow up is now in blossom and five feet high or more. Leaves have a strong scent. Generally called smallage, ^{was in my} younger days. Flowers are yellow: yet Wood says they are white. Parkinson 1629, has Sweet Smallage eaten now as a salad; and Smallage of air will taste & smell, not eaten. (~~Was not celery then eaten?~~) The low celery in ditches has leaves similar to the tall Smallage, and a similar scent, but much less strong. Neither Smallage nor celery are named by illarkham. No such plant among his salads.

Picuta onaculata (Hemlock & poisonous) is in flower. ^{in meadow & on upland.}

Alisma plantago (Water Plantain) is in flower.

Mayweed is in flower; has been some days, I think.

Motherwort is in flower.

Red osier (Dogwood) just begins to blossom by Mill River.

Crops near Hockanum Road in Meadow.

Indian Corn. I found nearly all hoed twice and some three times. I found one piece from 15 to 24 inches high; one or two from 12 to 20. Several from 9 to 14, 10 to 16, 10 to 18, 8 to 14, 8 to 12. Average may be 12 inches - perhaps 12 $\frac{1}{2}$ or 13 inches. I think the whole meadow will not average more than this part, in height.

Broom Corn. Generally hoed twice - not all. Some hoed three times. Not very many pieces of broom corn in this part. I found pieces from 5 to 8; 5 to 9; 5 to 10, 4 to 8, 6 to 10, 6 to 12 inches. The average is not over 7 inches.

Potatoes are about as high as corn - 10 to 15 inches.

Oats begin to show panicles. Some pieces covered with wild Radish, and as yellow as gold.

Rye. One half the heads are horizontal or below; the others are variously inclined; a few remain erect.

Wheat. Heads erect. A few in blossom - white anthers, but generally seem out of blossom.

Mowing. I noticed only two pieces of clover mowed - & the upper piece of other grasses in the meadow. (Strong's)

Capt Parsons began to cut Triticum repens in middle meadow last week - got it in to-day.

June 1851.

Monday 30th continued.

Middle Meadow, &c. [Musc. 16. 205.]

I walked down by the side of Mill River, examined Middle Meadow, and came up by the Hockanum Road.

The *Clira* Grass extends across nearly all the north side of the meadow next to the swamp, to clear the Hockanum road. This stripe for some distance is 20 rods wide; in other places 10 rods, and 6 rods—quite irregular—generally thin, but in some places pretty thick and 2½ feet high. It is of a rufous grey color, or dark brown, light brown with a reddish faint tinge. It colors the meadow where it grows and hides the *Poa* panicles among it. It covers ~~across~~ a considerable tract as in Hadley. Fern, sedge, and *Andropogon*, *Poa pratensis* and some redtop grow with it, & horsetail.

Triticum Repens—grows on the lower side of the Meadow—occupies much of the land towards the western end, but is narrow farther east. It is apparently increasing, extending farther north: spots of *Triticum* are intermixed with spots of English or *Poa pratensis*, and the two grasses are intermingled in many places. Some of the *Triticum* is of a bluish green and some is dark green—about 2½ feet high in many places; in some not so high. The spikes are all out, but perhaps have not flowered; I found some that were full of yellow anthers and made a show; these were either earlier or later than most of the *Triticum*.

Poa pratensis is scattered over most of the meadow; is not plenty on the western and northern part; much more plenty on southern and eastern part. It colors partially much of the meadow—a reddish brown, but the panicles are generally dry and the colors faint. Its leaves are more numerous than the stems indicate, and a swath mown shows much English.

Redtop is scattered over much of the meadow, especially in southern & eastern part. It is generally shooting forth panicles, and some are entirely unsheathed—most are not. They color many spots dark purple, & are more distinct than panicles of English.

Andropogon of three species is here but shows only leaves. It is more plenty than any other grass, & is found in some parts where is but little English and Redtop.

White Top or Redtop. The smaller, finer sort is in many places. Panicles all out, and full of anthers; some whitish, some reddish.

June 1857.

Monday 30, continued. Middle Meadow.

Red Clover is plenty on the higher, central part of the meadow, in the vicinity of the great elm, but in general little or none is found. The heads are dry & brown.

White Clover is more rare, but appears in some spots.

Poa aquatica is near the swamp or partially in it; it is tall, stout & coarse, and the color a very dark purple, almost black, viz. the color of the panicles.

Poa nervata. Not much there.

Poa serotina. I found this in moist land in upper meadow, by Mill river, and among hard grass & clover. Found it in several places in Middle meadow, especially at W. end near Mill river, on low moist ground.

Calamagrostis. I found some in upper meadow near Mill river, and a little in M. meadow. Some of it has panicles out, some not.

Hard grass. Is in a few places. Very little in this meadow.

Danthonia. I found this on the high, dry lean places - not much.

Vernal grass. I found a little in one or two places.

Poa compressa. A little in higher meadow and I think some in Middle meadow.

A broad leaf grass is quite common, that is not *Andropogon*. Perhaps *Panicum virgatum*.

Broad leaf *Panicum* is in some spots, with panicles - some without.

Fern or brakes, plenty on northern side of meadow, & in other wet places.

Field Horsetail is abundant in much of the meadow, especially in northern part. Does not grow with *triticum*.

Marsh Horsetail is abundant in the Swamp, on N. side of meadow.

Erigeron or *Fleabane*, No. 3. is abundant on some lots in higher meadows, & considerable in places in Middle meadow. Both varieties - possibly some is No. 4 (*E. annuus*).

Oxeye Daisy, is near Hockanum road.

Sedge of various kinds, is about the Swamp and in other places.

Club Rush is in the Swamp.

Yellow Pond Lily is in the Swamp.

Cypripedium, or Dogbane. A species with a small white flower, no red, is plenty in some parts of this meadow - on moist land. It is flower.

June 1851.

Monday 30. — Middle Meadow — cont.

The Dandelions are almost out of sight. That is, the leaves.

Venus Poodle. A few flowers remain.

Convolvulus. A species with small, unsightly flowers, not yet out, is abundant and winds on the grasses & likes to trip up a person.

Lilies. A few plants seen — not in blossom.

Senecio — flowers faded.

Roberts Plantain. Flowers withered & gone.

Milkweed. Some. Not in blossom.

Canadian Garlic (*Allium Canadense*)

I found this on a dextivity in Middle Meadow. Near the top of the scape is a cluster of bulbbs, and a few white flowers arise — an inch or two above them. The scape & bulbbs smell strong of onions.

Narrow. Only a little.

Proportion of Grasses in Middle Meadow

<i>Triticum repens</i>	$\frac{3}{16}$	This estimate, also not extend east of Hockanum road. Are quite uncertain!
<i>Andropogon</i>	$\frac{5}{16}$	
English (<i>Poa</i>)	$\frac{3}{16}$	
Redtop	$\frac{3}{16}$	
Clowns, <i>Clira</i> , Water <i>Poa</i> , Sedges, & other grasses.	$\frac{2}{16}$	

Grass in Higher Meadow. Pieces seeded down within a few years, are made up of Red Clover, Herdsgrass, Redtop, English *Poa*, White Clover.

First year mostly Red Clover. Herdsgrass follows, & by degrees, *Poa pratensis*, Redtop, White clover, and a little of several sorts of grass, and some weeds. Sedges in wet places. — *Andropogon* is found in places not ploughed for many years. — *Triticum* shows itself in some places, in higher meadow. Here & there some *Agrostis* that is branched — some broad leaf *Panicum*, &c.

One or two spots in higher meadow that have not been ploughed for a long period, have much *Andropogon*. Ploughing seems to eradicate this grass.

Most of the homelots are mown & the hay in barns. Some are not yet mowed.

White Clover seems very plenty this season, on the sides of highways & trail road, and in mowings that were mown two weeks or 10 days since. In many places are white with it, though many heads have turned brown.

Redtop. The slender, short redtop or whitetop shows its spread panicles full of anthers, whitish or a little rufous, by road sides. Some June 30. Much more July 1.

July 1831.

Thermometer

Sunrise, 12m. 9 P.m.					
Tuesday	68	81	71	Cloudy A.m. Fair P.m.	N.W.
1	63	84	68	Fair	S.E. N.W.
2	61	83	65	Fair, Rainy Evening	N.E. S.E.
3	60	69	59	Rainy Morning. Cloudy Day	N.E.
4	56	74	63	Fair	N.W.
Wednesday	6	54	85	Fair mostly. slight Shower P.m.	S.W.
	7	55	82	Cloudy & sprinkling A.m. Fair P.m.	N.W.
	8	53	79	Fair A.m. pt Cloudy P.m.	N.E. S.
	9	60	69	Cloudy.	Southw.
Thursday	10	69	89	Cloudy. Showers P.m.	S. S.W.
	11	62	82	Fair A.m. & mostly P.m.	N.W.
	12	53	81	Fair & pleasant.	N.W.
	13	55	80	Fair & pleasant	N.E.
Friday	14	54	81	Fair & pleasant	N.E.
	15	56	84	Fair $\frac{2}{3}$ pt Cloudy P.m.	S.W. & S.
	16	67	83	Fair $\frac{1}{2}$ Cloudy $\frac{1}{2}$ Rain in this night	S.
	17	67	91	Fair	S.W. W.
Saturday	18	67	89	mostly Fair	W.
	19	67	90	Shower mon. Eve. Day mostly fair.	Southw.
	20	66	80	Fair & pleasant	N.W.
	21	60	85	Fair & pleasant	N.W.
Sunday	22	56	85	Fair & pleasant	S.
	23	66	87	Fair & pleasant	S.
	24	63	72	Cloudy	N.E.
	25	69	90	mostly Fair	S.E.
Monday	26	65	89	Fair	N.W.
	27	67	75	pt fair A.m. Showers P.m.	Southw.
	28	60	80	$\frac{1}{2}$ or $\frac{2}{3}$ Cloudy. little rain.	S. & N.W.
	29	60	72	mostly Fair	N.E.
Tuesday	30	57	73	$\frac{1}{2}$ Fair.	N.E. & c
	1836. 2444. 2028				
	31	52	71	$\frac{1}{3}$ Fair	N.E.
	1888. 2515. 2088				

Temperature

At sunrise 60 $\frac{28}{31}$
 At 1 P.m. 81. $\frac{4}{31}$
 At 9 P.m. 67. $\frac{11}{31}$

Average 69. $\frac{73}{93}$

omitting last day, it was 70 $\frac{8}{90}$

The Temperature of the month is very near that of July 1849. A fine month for the growing vegetation. Some good weather for haying & harvesting and some not good.

July 1851.

Tuesday 1st.

Flowers.

Roses are more common than any thing else - a great variety. Some kinds of roses are withered and gone, & some have hardly begun to open. Worms have destroyed the foliage of many roses, & thus nearly spoiled the flowers.

Canterbury Bells, Spiderwort, Foxglove, Pinks, Sweet Williams, Hiverfew, Musk & other Mallows, Scarlet Lychnis, Silenes, White Phlox some purple, Poppies, Greek Valerian; & the Valerian Pheasant I have erroneously called a plant; Monkshood, Larkspurs, Bachelors Buttons, and other flowers continue more or less plenty. Some increasing and some decreasing.

Queen of the Meadow or *Spiraea ulmaria*, began to blossom June 29.

White Lily, tall, began to blossom in several places June 29, and many blossoms came out June 30. Are quite showy to day.

Orange Lily, tall, with many blossoms on a plant, shows a number of blossoms already. Began June 28.

Spiraea lobata began to blossom this day, at Dr. Walker's. *Oenothera* at Bright, began to blossom June 29. Seem the same as the Scabish (*O. biennis*) of the meadows.

French Marigolds have been in flower 10 days or more over Tagetes, *patula* - (or perhaps African Marigold).

Coreopsis, flowers all yellow, is in blossom.

(This at West is labelled *Coreopsis lanceolata*.)

Balm, so called, (*Monarda didyma*) shows its bright scarlet or crimson flowers & had 2 or 3 days since.

Pale Peonies. Petals are falling, but a number of flowers remain.

Glammey Locust. Nearly all flowers are fallen or are withered.

Large flowered *Syringa*. Only a few flowers remain. *Magnolia glauca*, has unopened buds, fresh flowers and withered, brown flowers.

English Linden is about full blossom.

Privet or *Prun* has unopened buds, while flowers & withered flowers.

Trumpet Honeysuckle, & some others, continue to blossom.

Smoke Tree has pale purple, plumose filaments from $\frac{1}{2}$ to $\frac{1}{4}$ inch in length, & appears quite misty.

Sweet Williams is very full & has been some days. There is a great variety of flowers.

Mallows. There are white flowers, called musk, and pale pink or purple flowers, on taller plants.

Tulip Tree. Fresh flowers have nearly all gone.

Button Ball Trees are haggard & ragged, but look better than they did.

Mullein Pinks are very plenty.

Cilantro is in flower.

Campanula Carpathica or Carpathian bell is open at West. Opens wider & is deeper than Canterbury bells.

Hemerocallis fulva or Tawny Day Lily is in blossom July 2 & very few.

July 1857

Tuesday W.

Flowers.

Nasturtium hispidum, with its pinnatifid leaves, and many little yellow flowers, I have noticed for two weeks or more, in the meadows & upland, in wet places. Is 1, 2 & 3 feet high, & pretty common.

Monkey flower is in blossom in wet places in meadows.

Goose Parsnip. This huge plant has lost its flowers.

Elder. In the meadows $\frac{2}{3}$ of buds of some branches of elder are open; only $\frac{1}{3}$ of some branches. More than half open. They be a little more advanced on uplands.

Wild Rasperry, by Mill river, has a few ripe berries.

Cockle blossoms are seen among rice in the meadow.

Meadow Sweet shows blossoms in the meadow.

Wild Lettuce shows blossoms, or buds yellow at ends.

Canada Thistle began to blossom on Rail Road to-day. (Eaten July 2d.)

Fruits &c.

Cherries. The fruit on some trees is dead-ripe or more advanced. On some it is not quite ripe. Sold at 10 cents a quart, or more.

Old Red Cherries are more or less red, not ripe.

Currants. Those exposed to the sun are red & some other, but very many are green.

Strawberries from gardens are somewhat plenty. Bring a high price.

Wild Raspberries are ripe by road to Greenville, July 3d., or some are.

Comparison of Seasons.

Vegetation July 1, 1857, is very near or quite three days in advance of last year. It was 9 days in advance June 2; 5 days in advance June 16, and now only 3 days ahead. June 1857 was 3 degrees colder than June 1850, & this has brought vegetation in the two seasons near together.

To-day is as July 4, 1850, or 3 days earlier.

" " July 2, 1849 or 1 day earlier

" " June 24, 1848 or 7 days later

" " July 2, 1847, or 1 day earlier

" " June 22, 1846 or 9 days later

} Difference of extremes, 12 days.

Chestnut Trees. The aments are becoming light colored and very different from the green leaves & some have a little brownish. They are not in blossom, I think, but near it.

Berries are on very many plants. Baneberry, red; Dogwoods, Viburnum, mountain ash, Jacob's ladder, Solomon's seal. Some of the seal berries are finely striped.

Bear Berry on the plain is about full grown, but entirely green. Few days later, I noticed berries of *Gelastrium canadense* about full grown. Also berries of *Poison sumac*.

July 1837.

Wednesday. 2.

Went to Fort Hill & upper part of S. Meadow.

Crops in S. Meadow seem to be about as forward as those in N. Meadow. People are hoeing and mowing, very few mowing, that I saw.

Johns Wort is in blossom at Fort Hill, may have been out some days.

Wild Lettuce has a few yellow flowers.

Enchanter's Nightshade (larger species) is in blossom and may have been some time.

Prinos verticillatus, I suppose, is in blossom. The buds and blossoms are in little umbels, on a peduncle $\frac{1}{6}$ of an inch long, are not verticillate.

Bush Honeysuckle continues to blossom.

The low *Oenothera* has long been in blossom.

Red Dogwood has been in flower some days.

Tall *Anemone* (st. *Virginiana*) is in flower at ~~Fort~~ Hill, may have been open 2 days.

Campanula amplexicaulis or } These purplish blue
Stem Clasp Bellflower } flowers have been
out some time at F. Hill.

Lobelia, one of the linear leaved species, has been in flower some time.

Asclepias physalacoides is in flower near the base of Fort Hill. About as forward as common *Asclepias*. An elegant species - has more than 10 flowers in an umbel. Only part of buds are open.

Pond Dogwood. Not in flower. The balls are hard and about half grown - as big as rifle balls.

Geum Virginianum (or White Avena) So I have called it in past years - is in flower. May not be a *Geum*. (Is on Robin Hill, &c)

Meadow Sweet. Flowers are plenty, but only a small part of buds are open.

Elder. These flowers make a great display in meadows & uplands - by fences, ravines, streams, banks, &c. Not full.

Galium Aparine (Common Cleavers or Bed Straw). These are now full of seeds, which are bristled and adhere to garments. I found my pantaloons full of them, but they do not adhere very closely.

Wood Sorrel shows its blossoms for months in meadows & uplands. A regular yellow flower.

Erigeron No. 4, tall, is in flower on outskirts of meadow, as well as on upland. Stalks may be found $5\frac{1}{2}$ or perhaps 6 feet high. Some only $3\frac{1}{2}$ or 3.

Figwort is over 6 feet high at Fort Hill. Has buds but not flowers. Large leaves. Nearly as high in the village.

Loeselstife of three species is in flower about Fort Hill.

Rabbitfoot Clover has reddish heads in meadows & uplands.

July 1851

Wednesday 2. S. Meadow, &c.

Grasses. In the bed & on the banks of old Mill River, S. of S. Fort Hill, grow several sorts of *Carex*, *Cyperus* and *Juncus*. Also *Calamagrostis* (on banks) now in flower. *Poa aquatica*, much.

Poa serotina — considerable. Some is in flower.

Poa canadensis. More of this grows here than I have noticed before in our meadows.

This has spikelets very large, so as to resemble chess. Perhaps has not yet flowered.

Poa nervata, I did not see.

Red top, birdsgrass; a fine, silky grass, &c.

South Street Horse lots.

Corr is there two feet high, & I saw one piece three feet high.

Wheat (*H. K. Starkweather*) about $3\frac{1}{2}$ feet high; was sown late, & still shows blossoms. Some smutty heads, or blasted.

Flies. But few in the house as yet. They are increasing. Musketoes. They are yet rare in the house.

Lightning Bugs gleam abundantly in the evening, from the grass up to the tree tops.

Flies & musketoes are plenty in the woods.

Thursday 3.

Walked out to Greenville (Bensonville) and back. A.M.

Flowers, &c.

Elders. Their broad cyms make much show in many places. Perhaps $\frac{2}{3}$ of buds open.

Loosestrife. The four leaf is abundant on the plain and on Round Hill & elsewhere. The racemed species is abundant on low grounds. I mean that flowers are abundant.

Panicled Dogwood. Blossoms are fading.

Red Osier Dogwood. Blossoms not more than half out.

Wild Elder & Bristled Aralia is in flower, this side of cotton factory.

Wild Roses, low bushes. Blossoms plenty on plain & by road.

Prinos verticillatus has begun to flower. Flowers in imbricate umbels, almost sessile.

A Trefoil with a cylindric head of flowers, $\frac{3}{4}$ of an inch long, and yellow, is in flower by roadside. Perhaps a *medicago* or yellow clover.

Mitchella Repens (Partridge berry) is now full of flowers in the woods. Two flowers are always together, and there is only one berry to two flowers, with a double structure.

John's Wort, common, is in flower on plain & by road.

Like John's Wort but *Elodea virginicum* — not over a foot high, is in flower among grass.

July 1857.

Thursday 3d. On Road to Greenville. Con.
Dogbane, or *Apocynum Androsaemifolium*, is in flower by Road side. Just begun.

Pyrolas. Some in the woods have falling, fading flowers, ^{some have only buds.}
Prince's Pine, large buds, not yet open.

Polygala polygama - is in flower on the plain.

Seriocarpus Solidagineus - a sort of white Star flower & Golden rod, begins to blossom on plain.
See June 25. 1848. Perhaps it is *S. corymboides*. Not half a doz. flowers seen.

Rubus Cuneifolius, (the smaller Dewberry,) is now in flower, nearly full, on the plain & lower land.
The larger dewberry has nearly done flowering.

Wild Lettuce shows flowers on the Plain. Some of it is 6 feet high or more. Many elsewhere.

Rock Rose (*Helianthus Canadense*) continues to show flowers on plain & by road side.

Krigia. These blossoms continue on the plain
Wild Morning Glory - these flowers are on the plain.

New Jersey Tea is in flower on the plain.

Asclepias obtusifolia, is in blossom near the road.

Jewel Weed, near factory has suspended buds almost open.

Lobelia Leytonia - is in flower by side of the road.

Veiny leaved Hawkweed - has been in flower some time. Is plenty on the plain & in Round Hill Woods.

Mayweed flowers are plenty by the road, in some places.
Cov. Wheat, plenty in the woods, in flower.

Grasses on this Route.

Herdsgrass on Elm street lots, & lots on the flat beyond brickyard, is much of it in blossom - some is not. Many spikes appear quite feathery, the stamens shooting out horizontally all around with anthers at the ends, making the head from $\frac{3}{4}$ to 1 inch in diameter. The stamens are white, & the ~~stamens~~ anthers generally blueish or blueish purple, but some are white nearly. ~~Some~~ Some fields or spots in fields are blueish.

Priticum or Quack Grass in the village and beyond it is generally in blossom.

Clover Red, is much of it dry & brown.

Clover White is much of it dry, and mowings, but by the side of the road & many other places, most of it is white.

English Spear Grass - heads generally russet & dry. Some fresh & green heads.

White Topas I suppose (see 1848) is plenty in spots by roadside, on the plain, & elsewhere. It has fine branches, & is rather slender, the panicles fully spread and with plenty of whitish and reddish anthers.

Redtop in general has not spread panicles; indeed the greater part is not entirely unsheathed. Heads purple mostly, but some are nearly green. No anthers yet.

[Herds Grass, English Poa, Redtop, and Red and white clover are the main grasses in all good mowings, ~~whether in upper or lower meadows~~ in upper meadows. Andropogon must be added to lower meadows & *Priticum*.
Herdsgrass taken out.]

July 1857

Thursday 3. On Road to Greenville center.
Grasses.

Herdsgrass, English Poa, Redtop, Red & white
Clover and Vernal Grass are the main
grasses in all good upland mowings.
Festuca may be added to some lots. These
are the main grasses in the village and
out of it, in good mowings.

Poa compressa is extensively distributed but
is nowhere a principal grass.

[Orchard Grass is plenty only in a few places.
Tall Oat Grass is only in Mr. Whitney's lot.

The four water Poas I found by the
side of the brook, beyond brick kiln, and
in the mowings on both sides of the road.

Poa aquatica is the tallest, coarsest and makes
probably the poorest hay. Grows in the wettest land.

Poa nervata is less plenty than the other
three kinds. makes poor hay, I judge.

Poa Canadensis with its large chesslike spikelets,
is more plenty than I ever supposed it to be.
I found much of it in the mowings on the
flat. Hay must be rather poor. Whether it has
been in flower, I do not know. It is later than
the two preceding.

Poa Scrotimea is the latest & best grass of the
four. Resembles redtop & sometimes grows
on dry land, though usually in wet land.
Panicles are generally unisheathed, and
mostly green, but become a little purplish by
degrees. No signs of flowering yet.

Calamagrostis is by the brook & by ditches
in the mowings. Panicles out of anthers.
Not much of it.

There are small quantities of other species of grass.

Carex oedocarpa, } These sedges & rushes, of
Cyperus, &c. } many kinds, are found
Juncus, &c. } in wet land, and some
of them grow in dry land.

Danthonia is in pastures & on poor lands
almost everywhere, wet land excepted;
it grows on the plains and hills toward
Bensonville; & I saw some in an old
exhausted mowing.

The Western part of the flat beyond brick-yard,
(formerly Warner's meadow) where it has not been
ploughed & manured, is much of it covered with
sedge and water grasses & rushes, it being moist
land, or wet land. I observed among the sedge
in some places that the ground was almost
covered with white clover. This growing of
white clover on moist or wet land, among
water grasses, as Poa aquatica &c. I have noticed
before in Northampton & Hadley.

A hair grass, fine & silky, grows in these mowings
on the flat, in some spots. Panicles are purplish.

Vernal Grass is mostly hidden in good mowings.
Where seen, it is brown & spike rather dry.

July 1857.

Thursday 3.

Jenny Lind. The town has been deluged a few days past, about Jenny's coming here to sing. The Old Meetinghouse was procured, stairs made for her entrance and exit through the N.E. window, or the window the most northerly on the easterly side of the house. In this N.E. corner of the house a room was built for her & those with her, on the tops of the pews; and a platform to sing on in front of the pulpit. Tickets were sold yesterday, at 2. 3 & 4 dollars there being three grades of seats. Many purchased who were able; & not a few who had no money to spare for such purposes. Men who do not pay their debts could purchase tickets. I did not purchase any. I offered to get one for wife but she declined going.

It began to rain about half past 6. with some thunder & lightning & rained during the evening. Jenny came up from Springfield about 6 or soon after. The doors of the house were opened for ticket-holders about half past six and the singing commenced not far from eight. A pretty large company of the young & others intended to hear the songs on the outside of the house, but the rain prevented. The singing ended a little after 10, & people went home in the rain and darkness. Some came down from Brattleborough & other towns up the river. I presume the farmers did not purchase many tickets, but some of these attended. — It is said that between 1600 & 1700 persons were present.

Friday 4. Pretty quiet to day. A great gathering at Springfield.

Saturday 5.

Flowers

Hollyhocks began to blossom July 2. I saw some at Greenville & in this village July 3 — mostly red ones. Some light colored ones. Very few open yet. White lilies grow make a great display & shed abroad much perfume. Nearly full.

Body of the Lake (Dracocephalum) has been in flower some days. Martynia or Unicorn plant is in flower. (Wells.)

Tall red Pinks begin to blossom July 6.

They are large but single. 18 inches to 24 inches high

Chesnuts began to blossom about July 4 or 5. On the 8th some trees very white by the road near Pease's in Hockanum. Not white on the mountain, but some whitish in pastures & edge of woods.

July 1851.

Saturday 5. Holyoke.

I and brother Matthews & his two daughters walked down the rail road to Rockanum island, P.M. Brother Johnson ferried us over the river, and we walked up the house, and then with him, wife & daughter, ascended Mount Holyoke. There were over 70 persons, I judge, on the mountain perhaps near 100. A new house has been erected this season & a family resides in it. A nine pin building has been erected also; and a swing with four arms, but only two with seats for persons, was erected last year. Four swing at once, two in each seat. The swings sit perpendicularly, as they move round a circle, perhaps 25 feet in diameter.

Flowers on or near the Rocky Summit.

Silver Cinquefoil in great abundance.

Hair Bells — plants very plenty on the rocks but only a few open flowers. Have just begun.

Stem Clasping Bell Flower is plenty near the summit on rocks. Has been in blossom some time.

Bush HoneySuckle continues to blossom.

Four leaved Loosestrife, is plenty in flower.

Another Species of Loosestrife is not yet in flower.

Tall Anemone. Blossoms common about tops.

Flaearae No. 3; and a little lower, some tall No. 4. ^{and No 5 not out}

White Clover, & a very little Red Clover.

Wild Roses are common about top rocks.

Stinking Crane's Bill. Flowers mostly gone.

Maple Leaf Raspberry — flowers open.

Panicled Dogwood — flowers fading.

Growfoot Geranium. Flowers are gone

Senecio — flowers are gone

Sannicle — gone to seed. Chickweed, do.

Agrimony. Not yet in flower.

Prince's Pine begins to blossom

New Jersey Tea — has just begun to blossom.

Wild Lettuce — not yet in flower

Enchanter's Nightshade, the larger species, in flower.

Staghorn Sumac — is in blossom.

Dogbane, one species.

Dogwood (*C. circinata*) shows small berries.

Galium circaeazans — has shed its flowers.

Asclepias quadrifolia (I think) *debilis* variety. Is in flower near summit.

Maple Leaf Viburnum. Small berries

Wild Cherry has green berries

John's wort — not yet in blossom.

Mullein in blossom

Comm. Plantain. No spikes

Cherry Oranges. — Burdock plants, no flowers

Pigweed.

Thimbleberry. Berries green

July 1851

Saturday 5. Holyoke continued.
Grasses on or near Summit.

Poa pratensis and *compressa*
Redtop & whitetop. Wideleaf panicum
Poa serotina, a little. — *Danthonia*
Triticum repens or something resembling
a kind with spikelets $\frac{3}{4}$ inch long & $\frac{1}{2}$ inch
Some species of *Carex*; little Kerdgrass.
Some *Juncus* and *Lurula*. — Other grasses.
A pleasant mintlike plant, not in flower yet
I think most of the grass on the mountain would be *Carex*, if more
not frequent etc.
Grasses in Hockanum meadow east of Gt River.

I examined this meadow; found the principal
grasses as in Northampton lower meadows,
except *Triticum*, is not much of it in Hockanum
Five sorts of grass, viz. *Andropogon*,
Redtop, English *Poa*, Red clover and
White clover. Clover heads are mostly dry.

Estimate of Grasses in this meadow.

max. 16
p 105 { *Andropogon* $\frac{5}{16}$ or $4\frac{1}{2}$
Redtop — $\frac{5}{16}$ or $5\frac{1}{2}$
English *Poa* $\frac{3}{16}$ or $2\frac{1}{2}$
Red & White clover $\frac{2}{16}$ or $\frac{2}{16}$
All other grasses $\frac{1}{16}$ or $\frac{1}{16}$.

The other grasses are *Panicum virgatum*,
considerable; *Triticum*, *Carex*, & others.

A good swath for most part, in this meadow.

Flowers, &c. on and near Rail Road.

A *Stachys* apparently, with purple flowers
Golden Rod — some blossoms on Rail road.
and in Hockanum E. meadow. not many
one plant quite yellow. One level top
plant had a few flowers.

Canada Thistles. Many blossoms out now.

Wild Morning Glory, Blue Vervain plenty.

Panicled Elder. Berries mostly gone.

Maple leaf Raspberry. Flowers plenty.

Raspberries — many ripe

Thimbleberries — some ripe.

Tall Scabish or primrose begins to blossom.

on Rail Road are in flower, garget, yarrow, Oxye, Loosestrife, Elder, *Heabum*
asclepias, *allium*, wild lettuce, &c.

Meadow on Hockanum Road.

Haying commenced by some here, & lower part of Mid. meadow
Corn & *Broom corn* grow fast. *Corn* may be 12 to 24
inches & some 27 inches, *Broom* 10. latter 5 to 12 & 14 inches
much hoed 3 times. Considerable only twice.

Rye grows whiter & heads heavier.

Fat's shows the panicles wholly and half, one fourth, &c.

July 1857

Sunday 6. Prof. Aaron Warner preached.

Monday 7. Edward Hall and his sister Sarah Hooker here.

Tuesday 8.

Grass in duBrights homelot. adjoining King Street. Both sides of the Brook - mowed to-day.

Same seven sorts that are noticed June 28. viz.

- 1 English Spear. (*Poa pratensis*, & *trivialis*). Panicles dry & brown. Leaves very plenty in places, forming a thick swath.
- 2 Vernal Grass. Dry & brown heads, & stems also to some extent. This grass & the brown predominates in the more leaved & exhausted parts. not a large swath.
- 3 Red Clover. considerable of this. Heads becoming brown.
- 4 White Clover. more of this. The leaves & short stems form a dense mass of herbage in some spots.
- 5 Hardsgrass. Considerable in some rich places. Elsewhere thinly scattered. Spikes full of white stamens and blue anthers. A few have whitish anthers.
- 6 Red top. Some of the short kind with spread panicles and full of anthers. Some of the taller; with panicles out but not spread & not in flower.
- 7 Fescue. Scattering.

There is more of the *Alpecurus pratensis* here than in any other lot. It is as tall, & some of it taller than hardsgrass. Is 2 to 3 feet and some 3½ feet. Spikes are dry and brown.

Tall *Poa aquatica* & some *poa nemoralis* grow by the brook and a ditch. also more or less *Carex* and some *juncus*.

Cicuta & nettles grow rank by the brook, and are in flower. Some Meadow Rice, Dock, plantain, &c.

Common Plantain has shot up spikes in meadow paths & elsewhere from 6 to 12 inches long. Some begin to flower.

Haddley.

In the afternoon, I walked through the upper part of our meadow to the Bridge - crossed to Haddley, went through a *quadrata* meadow and thence down to Port meadow and examined it, & the meadow below Port river. Crossed at Hockanum Ferry and returned. Went 7 or 8 miles, I suppose.

11. 16. 20. Aquavita Meadow

This is mostly mown below the rear of homelots and some pieces above.

Color of the meadow, not mown. The clover heads are dry; the panicles of *poa pratensis* are in most of the meadow hidden by other grasses and where not hidden are brown & dry. The Red top gives a good deal of color to the meadow, but it is quite spotted, leaving much of the meadow green. The red top has several hues and is in different stages of progress, from panicles not fully unsheathed, to panicles in blossom. *Citricum* is of various shades of green - pale green, dark green, blueish green. Blossoms have fallen. *Cura* is of a whitish dead brown.

July 1851

Tuesday 8. Aquavitalae, continued.

Andropogons show no inflorescence. Where bunches stand along, on sandy places, they have sent up flower stalks 2 to 3 feet high, but show no heads. Among other grassy they have sent up no high stems.

Panicum Virgatum is often in bunches, and is in such bunches when isolated two to 2½ feet high, and shows the tops of some panicles. Is plenty below the bridge for some distance, south of the old road, mingled with Andropogon, &c. and is seen in other parts of the meadow.

In the upper part of the meadow, or the upper half, I estimate the grasses:—

1 Thatch or Andropogon $7\frac{1}{2}$ sixteenths

2 Redtop $2\frac{1}{2}$ do.

3 English Poa 2 do.

4 Black or Triticum $1\frac{1}{2}$ do.

5 Clovers, white & red 1 do.

Panicum Virgatum, Aira, &
Calamagrostis, & Pan. $1\frac{1}{2}$ do

Carex grasses, & others 16.

There is a little scattering heads grass, a little poa aquatica, poa nemoralis, &c. I do not include horsetails and ferns, nor herbs.

The lower half of the meadow has less Thatch, and more redtop and Triticum; more water grass in spots; more English in spots.

I estimate whole meadow, judging from the examination to day and heretofore, as follows—

Thatch or Andropogon 7 sixteenths. Perhaps $6\frac{1}{2}$ is enough

Redtop 3 do.

English spear. 2 do.

Triticum 2 do.

Clovers white & red 1 do.

Panicum Virgatum & other
panicum, Calamagrostis,
Wilder Poas of 4 sort. 1 do.

Aira, Carex of several sorts
& other grasses 16.

The field horsetail & ferns are not included nor the marsh horsetail in the swamp above and below village or west street.

There are three species of water Poa, and probably four. I did not notice poa canadensis.

There is considerable swampy land against end of street & farther east. Bullrush and Clubmoss in the swamp, not included in grasses.

Herbs, not grasses

Yellow drooping lilies are in blossom

Racem'd Lobelia are in do.

Hair bells are in blossom

Blue anem. No 3, & 4 ft tall, are in blossom

Dogbone (white blossoms) very plenty in spots

Tall scabier has blossoms

Asparagus has seed & blossoms

Wasturline in blossom. Loosestrife do.

Monkey flower do. Oxeye Daisy some

Golden Rod very little in flower. Tawney lilies in blossom, near street fence

July 1857.

Tuesday 8. Aquavitalis - continued

A boiling, cool & clear spring issues from the ground some distance east of West Street and 7 or 8 rods from the ^{cross} road. A considerable stream runs from it ^(below or at lower end of Aquavitalis meadow).

Hadley ploughed meadow, I did not examine. Some good pastures on road to Fort Meadow Grass is clover, redtop, &c.

At 16. 204] Fort Meadow.

I found all the north part of this meadow was under the plough, and mostly planted with broom corn. Some pieces of grass that had been sown, composed of Hens grass, Redtop and Clover. Some Good Oats. Broom corn 7 to 18 inches high - as forward as in Northampton meadow. The haymakers were busy.

About half way down the meadow, by the road, I found a piece of grass that had been in grass 40 or 50 years, or as long as men there could remember. I followed it easterly to Fort river. I found that all the meadow south of this lot, or nearly all, for more than half the length of the lots E. and W. was in grass, and mostly it had long been so; also some north of this long grass lot at east end of the ploughed lots. I judge that more than a fourth of the whole meadow, perhaps a third, in the south eastern part of it, bounded E. and S. by Mill river, is in grass, and, except a few places where Hens grass and redtop & clover grow, have been in grass for a long period. So much of it was never ploughed, as I judge.

The more eastern & southern parts of this grass land are considerably broken; there are low hollows and ravines, and flats, that are too wet for good grass, intermingled with higher, better land and good grass. The lowest ravine is towards the bridge & has water in it, and is full of pond dogwood. Farther east is a swale full of tall chlorush. Other low places are covered with the long leaved carex, so common in other wet lands. These carex lands are of considerable extent. Some Poa canadensis with the carex.

Poa serotina. I found more here than I have seen before this year - perhaps more than I have ever seen before in one field. It is near but not in the low wet grounds; 2 to 3 feet high, fine, delicate looking grass, & will make, I think better hay than redtop. It grows near redtop, is of about the same height, or a little taller but less purple and more green.

Calamagrostis is plenty in some places.

Circa grows on sides of hollows some. Brown.

Poa Canadensis is not plenty.

Carex long leaved, some kinds with heads, a sweet.

Herbs and shrubs of various kinds grow among the grass in many places, towards E. end. The Meadow E. of river, some of the same kind of wet, broken land, exhibit similar grasses - good & bad.

July 1851

Tuesday 8. Fort Meadow - continued.

Besides the uneven, wet lands, just noticed, there is in this part of the meadow a large tract of good grass land, some like old Rainbow, and much it will yield a good swath.

I find on this land, including that which extends westerly to the road, the usual grasses of other good intervals, viz.

No 1. or the most, is *Andropogon*.

2. or the next is *Reetop* (less of this, west part).

3. or next, the *Clovers*, almost all red.

4. or next: *Poa pratensis* is or English.

5. White clover by itself is least.

Others

Panicum Virgatum & some other *Panicums*
Carex of some species.

Poa Serotina. Some is on this land.

Herds grass. Scattered heads are about, but the whole will not make much hay.

English shows but little but has more leaves than tops.

Herbs in flower.

Fleabanes, No 3. & 4. Latter much the tallest, but more rare than 3. — Leeks noticed.

Meadow Rue, plenty. *Cicuta*.

Nasturtium. — Low *Oenothera* a clonky flower — *Loosestrifes*.

Wood Sorrel. — *Oxyspora*

Racemid Lobelia — *Yellow Lily*.

Some tangling herbs, as *Clematis*, *Convolvulus* &c.

Field Horsetail is here, and *Theraps*.

Little marsh Horsetail, not much.

Little or no *Panicum* observed. That belongs to Conn. River.

West of Road, a few acres, above Fort River.

This is good grass.

1. *Andropogon* is about $\frac{1}{2}$ full.

2. *Red top* — next

3. *English* — "

4. 5. *Red & White Clover* — on Eastern part.

Some *Panicum virgatum*, *Equisetum*, &c.

West of Road below Fort River, many acres with a deep wet hollow — Most of it is excellent grass — much like other intervals. Some of it is on broad ridges. Hay in cock is the best of hay, on upper part.

Andropogon is No 1. but not half.

Reetop is No 2. — more plenty lower half.

Clovers " No 3. are No 2 perhaps in N. part.

English Poa is No 4.

Panicum repens is No 5. Very plenty in lower, narrow part, next to Connecticut.

Aira extends down hollows, or on sides — light brown

some *Vernal Grass* } on the tops of ridges, N. part.

some *Danthoria* }

Carex in low places, & other water grasses.

Almost all composed of 5 grasses, or 6 with white clover.

as named above. Southern part stouter. Most of the

Panicum is cut in the cock.
Some *Equisetum*, bracks, &c. Some herbs.

July 1851

Tuesday 8. Northampton Meadow,
North part, and on Hockanum Road.

Indian Corn. Much of it hoed three times,
shortest near N. corner of meadow, on warmer
dry land, or towards N. corner. Some pieces
nearly from 24 to 36 inches, and from 20 to 30 inches.
One piece from 2 to 3½ feet and tops of stalks
can be seen by examining. — setting aside
three or four pieces, the corn in the northern
part of the meadow is no better than that,
or much of that, on Hockanum road, being
much of it from 1 to 2 feet, & from 15 to 27 & 30 inches.
On Hockanum road most of corn is between
1 and 2 feet — some from 15 to 30 inches, some
pieces do not exceed 18 or 20 inches, the highest.

Broom Corn — upper end of meadow largest is
from 10 to 18 inches — much only from 6 to 12 and
14 inches. Some 8 to 16. — near Hockanum Road
it is from 6 to 14, and 8 to 16, much or most of it. Some
is from 9 to 16 and 18. One piece, the upper one on
Anne Clark's land, is from 10 to 22 inches. —
Broom corn is mostly hoed three times, but some
only twice, perhaps considerable.

Potatoes, in N. part of meadow, are from 12 to 20 & 24
inches high, & generally in blossom.

Wheat in N. part — some is from 3 to 4½ feet high.
kernels & grains seem nearly grown. Heads are
generally erect. A little droops.

Rye, in N. part, & by Hockanum road, is whitish
or light green. A few heads are erect, but almost
all are drooping, and bend below a horizontal
line. Some heads of rye, 6½ feet from ground.

Oats are from 15 inches to 3 feet high. Some 3½ feet.
Panicles are generally out.

Mowing. Many are haying in ploughed meadow.
Several pieces of clover, herdsgrass, &c. are in
the barn. In Old Rainbow, only one or two
have mowed. E. Graves is one. Hadley seems
in advance of Northampton in haying.

Herdsgrass in meadows is generally blueish
with anthers — on both sides of river.

Tobacco. I sowed three pieces in upper
part of meadow. Some recently set out, and
one piece they had fitted for hoeing by the culti-
vator. All small yet.

Rudbeckia hirta, or something similar, I found in flower
in N. H. meadow.

Hedysarum. I found three with purple flowers, in lateral
and terminal racemes.

Golden Rod. One or two plants in lower by the river

July 11. A plant with the smell ^{& taste} of pennyroyal grows
in South Meadow, near 2 feet high. Stems one of the
Pyronanthemum, but not the common wild basil.
Leaves lanceolate & upper very entire.

July 13. Purple Thoroughwort is in blossom by brook or ditch in
John King's old lot.

July 1851

Tuesday 8.

Grasses. [See Misc. 16. 204. 205.]

I have now obtained satisfactory knowledge of the grasses sown for hay, on our uplands, our upper or ploughed meadows, and our lower intervals.

I. Homelots or upland mowings that are seldom ploughed, excluding the swampy parts, yield the seven sorts of grass, several times noticed, viz.

1. Vernal Grass.
2. Poa pratensis + trivialis.
3. Herdsgrass.
4. Redtop.
5. Red Clover.
6. White Clover.
7. Fescue.

The proportions vary according to the richness of soil, dryness, and other circumstances.

Several other kinds are mixed with these, but in no great quantity. These sometimes grow in wet land.

I think the permanent upland mowings, or homelots, that are kept in pretty good heart, in all this region, will yield chiefly these grasses. Wet lands, and old mowings, never mowed, and those ploughed in a few years, will be different. Those recently ploughed, and in good order, will however yield the same species, but only 2, 3 or 4 kinds. My mowings at Westhampton produced the 7 species.

Carex is found in most mowings & increases as the land becomes poorer.

Grasses on wet lands have been noticed but rarely. I think our wet Poas are not common in towns west of this, but Carex, and other sedges & rushes.

II. Upper or Ploughed meadow, when there is some rotation of crops; land laid down to grass a few years & then ploughed again.

- Red Clover
Herdsgrass
Redtop

These are the the only grasses sown, and not much redtop is sown.

The first crop is mostly Clover - some herdsgrass.

The 2d crop is mostly herdsgrass, or is herdsgrass & clover.

The 3d crop has some redtop & English Poa, & there may appear a little in the second.

The 4th will be a mixture of several sorts; the herdsgrass decreasing, & others increasing, but the whole crop diminishing. By degrees, Carex, poor panicums & other mean grasses come in, if not ploughed again. See July 11.

Good uplands sown with grass seeds, go through a similar process. The Vernal grass comes in on upland, but is seldom seen in meadows.

The Andropogons, or Thatch, I am confident, once grew plentifully in upper meadow, and have been eradicated by the plough and hoe. They are still found in some nooks & corners where the plough does not come, & which are not too wet. They will not grow in a swamp.

July 1837.

Tuesday 8.

Grasses - continued

Lower grass meadows, that are frequently inundated, in Northampton, Hadley and Hatfield. In these are found chiefly five kinds of grass, or six if the clovers are separated. Proportions are different but the same kinds are in all the grass meadows, adjoining the Connecticut, & occasionally inundated, in this vicinity. Fort Meadow having a high bank next to Connecticut, perpendicular almost, has no Triticum, none coming in on the side of Fort river. Below the mouth of Fort river where the bank is low, the Triticum appears.

The six kinds are

- 1 Andropogon (3 species. - called Thatch)
- 2 Reel top - (Some Whit top)
- 3 Poa Pratensis (Some P. Trivialis - both called English)
- 4 Triticum repens.
- 5 Red Clover
- 6 White Clover.

The Vernal grass of uplands, & herds grass of uplands and upper meadows are rare here, & the Andropogon of these meadows are very rare in mowings in upper meadows and uplands. The Festuca is seldom seen here. Is sometimes in upper meadow. If the lower meadows were ploughed & herds grass sown, it would doubtless grow there a few years.

Estimates of Grass in lower meadows, recorded in my journals.

See also.
16. 204. 205

Old Rainbow - July 14. 1848. Remarks, June 16. 1849.
Estimate July 2. 1849. Review Sept. 3. 1849. July 17. 1849.
P.S. do. July 15. 1851.

Aquavital. July 25. 1848. Remarks, June 25. 1849.
July 9. 1849. - July 8. 1851. & estimate

Indian Hollow & Hatfield. July 4. 1849.

Hockanum Meadow June 27. 1849.

Middle meadow. June 30. 1851.

Hockanum meadow. Castle River. July 5. 1851.

Fort Meadow & its appendages. July 8. 1851. remarks.

July 1857

Wednesday, 9.

Flowers, &c. Round Hill

Chestnuts on Round Hill are generally in blossom - may have begun before July 4. Catkins full of stamens, and white or whitish, or yellowish white.

Sericearpus begins to blossom back of Round Hill.

Small Dewberry or Rubus Canadensis. is in blossom on Round Hill & back of it. Some buds not open - The larger Dewberry has berries half grown or more.

The poor, exhausted land back of Round Hill has many pines & white birches growing; and Andropogon scoparius, Danthonia and some species of Carex and Juncus grow among the trees.

June 24, 1852
m. 16.705
Round Hill mowing, E. side of Hill. This shows the 7 species of grass very distinctly and Ribwort Plantain would almost pass for an eighth. - Some places are rich soil but in general it is much exhausted, and shows the brown dead color of the Vernal grass abundantly, where the soil is rich, higher grasses overshadow the vernal. Some Carex & huds. Holcus lanatus is not only in the path along the east edge or lower part of the hill, but is scattered in the grass west of the path in many places. Panicles light brown & dead.

Polygala polygama is in flower back of Round Hill. Has terminal & radical racemes.

Tall Wind Flowers are in blossom back of Round Hill.

Cow Wheat Flowers are abundant on Round Hill.

Catalpa Tree begins to blossom, at Round Hill place.

Smoke Trees are now very showy. At West's same day.

Arrow Head shows blossoms July 13 or 14.

Thursday. 10

Friday 11.

South Allendale.

More Hoers than Haymakers. Weather has been unfavorable for Haymaking.

Indian Corn 12 to 20 inches & 15 to 30 inches in height. Some in upper part from 20 to 33 inches & some 36, & this has panicles in sight of one standing by the hills.

Broom Corn from 8 to 14 and 10 to 18 inches. some hills 20 inches & perhaps 24.

in the old grass lands, seeded down several years since, exhibit the same 5 species of grass noticed in the other ploughed meadow - 1st Reed top, 2 Herd grass, 3 English Poa, 4 & 5 the two clovers. Carex is more plenty than some of these five species, the land being rather moist. Meachamium & broad leaf panicum are not uncommon. In places seeded down later. Kerels grass, is not, and Red clover more prominent.

Weeds in Grass - Cinquefoil, Dewberry, Fleabane, sorrel, Raccine Lobelia, Ground Thistle, Plantain, Horsetail, Asclepias. Blewitt Cinquefoil. - In wet places, much long leaved Carex grows.

July 1857

Friday 11. continued.

Chestnuts at Fort Hill are whitish with flowers, some trees much more white (or yellowish white) than others. The leaves grow on the stems above the catkins, & they partially hide the catkins on most trees. The barren catkins that make the show, grow near the bottom of this year's stem. Higher on the stems, some leaves intervening, grow short catkins, about 2 inches long, that make no show. These are fertile, and they have one or two green buds, now small, on the lower part of the catkin. The barren flowers are nearly full.

Rye on the sides of Holyoke & Torr, lower part, has changed color much; may be still a greenish white, but seems a little yellowish. As seen from Fort Hill. Has lost much of the green, or most of it. Rye on the Plains must be about ready for cradling.

Tulip Trees still unfold leaves. Some remain in cases, ^{near} the

Flowers, &c

Dahlias are in flower in several places. ^{began 3 or 4 days ago.}

Zinnias (not purple) are in flower at Wests.

Actaea racemosa. A plant so labelled is in flower at Wests. A tall plant.

Sweet Pea is in blossom at Wests.

Coreopsis flowers are plenty - both those having petals all yellow, & those having purple near the center.

White Lilies, which have been so conspicuous, are past the full. Are waning, though still showy.

Spiraea. 3 sorts are conspicuous in gardens by their flowers - the Pride of the Meadow, the Siberian *Spiraea*, and the tall showy *Spiraea lobata* with pink flowers.

Larkspurs are plenty & long will be. Some are dwarfs, about a foot high.

Cherries, Eng. are nearly all gone.

Old Red Cherries are ripe in part, not all.

Thumb Berries, Mr. Shepherds are ripe in part, many not ripe. Also in fields

Strawberries in gardens are mostly done.

New Potatoes have been offered at about 8/ per bushel.

Peas have been sold some days at 6/ per bushel of pods.

House Flies are not yet plenty.

Squash Bugs, I have not been troubled with any sort.

Wild Raspberries red, ^{Thumbberries, black} are sold at 8cts ^{per} lb. July 12 & 14.

Blue ^{Thumbberries, black} ^{are offered at 14cts}

Grass at Brooklathens, on Haystack Street; ^{land} ^{has been} ^{years} ⁱⁿ ^{improvement} without much manure - Has the 7 species of grass before noticed. Vernal grass is the most prominent to the eye; 2 is English Poa, Herds grass, Red Clover, White Clover, Red clover, Festuca, and 8th is Carex. Is some like roundbell mowing. Has some herbs.

Saturday 12.

July 1851.

Sunday 13. A McClapp, of Brattleboro' preached, grandson of Charles Clapp of South Deerfield. A man of more extent of thought and originality than most young preachers, apparently. at Mrs. Isaac Clark's in evening. Services today. 1 hour 20 m. & 1 hour 10 m.

Monday 14.

Harvesting has begun. Chr. Wright cut a piece of Rye in the meadow (Walnut Trees) to day. Samuel Willerng cut $\frac{3}{4}$ acre of wheat on upland today (North part of cultivated land, East of old canal.) I presume they are harvesting on the Plains.

Haying in Old Rainb' bro &c. begins in earnest to day. Has been delayed by foul weather.

W. 16. 205 Grass on the old John King homelot of several acres - part mowed today. Moist land and some wet - had flax spread on it in the spring which seems to have been about as good as a coat of manure. Same 7 kinds noticed elsewhere, or 8 with Carex - proportions different. Has not been ploughed for years.

- 1 Poa Pratensis or English - great abundance of leaves - tops make no show.
- 2 Vernal Grass. Brown heads color much of it.
- 3 Red Clover. - No 2 on drier parts.
- 4 White Clover. - less than red.
- 5 Red Top. some in wet rich spots 3. 3 $\frac{1}{2}$ & 4 feet high
- 6 Festuca. Scattering.
- 7 Kernsgrass. only scattering heads, generally.
- 8 Carex. - The long leaf Carex - more of this than of one or two other kinds perhaps.

Others

Poa Canadensis in wet places - more than I ever saw together before - 3 feet high - stout smooth.

Poa aquatica, not a great deal. 4 feet high.

Poa nervata - seed ripe, top dry. 3 feet or more

Poa serotina. - I saw none

Roots of several kinds

Hoeing Indian Corn & Broom-corn. -

First Hoeing, in meadows - was chiefly done in 2 weeks - June 2 to 14 inclusive

Second Hoeing, was chiefly done in next two weeks. Monday June 16 to Saturday June 28.

Third Hoeing has been mostly done in third 2 weeks, from June 30 to July 12 inclusive.

There is considerable difference in the forwardness of the crops, & more in the men who own them. Some are usually early, & others are always late. - Some men have hoed four times, and ~~more~~ have hoed only twice. But in general hoeing has been performed three times & only three times. The greater part will be hoed but three times, but some four, and some men cut up the weeds instead of a fourth hoeing.

July 1851

Tuesday 15.

Garden Flowers.

Those now in flower and rather conspicuous, are Hollyhocks, Mallows, white, & those slightly purplish or pinkish, fewer few, Larkspurs, Monkshood, Poppies, Pinks, tall, with some Carnations; smallillary daisies, Tall, graceful Spiraea lobata; Spiraea ulmaria (Quincy meadow) Orange lilies, Coreopsis.

Roses are mostly gone. Some tall ones or climbing ones are fresh & bright.

Sweet Williams - on the wane. many remaining.

Canterbury Bells are fading & falling, but not a few remain. Some very delicate white ones. Some bells smaller than Canterbury are in gardens.

Catalpa - is near full blossom. Some flowers fallen.

Dahlias are in many places, but not plenty.

Pinks, tall, red and variegated, are out. single & double. Some are carnations.

Comparison of Seasons.

I cannot compare with last year, as I have no record. The years preceding last year have not a full record after July came in. — July 15, 1851

May be a little earlier than same date 1850.

May be about the same as 1849.

May be about as July 9. 1848.

May be about as July 16. 1847.

May be about as July 8. 1846.

Second Crop of Grass on Homelots mowed early.

White Clover shows heads abundantly.

Red Clover shows many heads.

Herdsgrass shows some heads, and on lots mowed very early, heads are in flower.

Ribwort Plantain shows spikes & flowers, and some other herbs show inflorescence a 2d time.

I think clovers & Herdsgrass, are the only grasses that shoot out heads a second time. Poas and Redtop do not. Andropogons show panicles & spikes in second crop but not in first. Perhaps some Panicums flower a second time. It may be that Andropogons shoot up stems twice in a season, but this is doubtful.

July 1851

Tuesday 15 continued. Meadows.

In the afternoon, I walked down through the meadow to Middle Meadow struck it about half way between Ferry road and upper end. Walked up to upper end; thence across Bark Wagon and the grassy bank below the ploughed land, to the lower point of Old Rainbow; thence up Rainbow, crossing it E. & W. five or 6 times, to the northern part. Thence crossed the meadow & came home.

Ploughed Meadow.

Indian Corn in lower part of meadow, towards middle meadow, is from 12 to 39 inches high - some hills near 4 feet. Average of most, 16 to 33 inches, or about 25 inches.

In upper part where I crossed the meadow, most pieces from 16 to 36 inches. average perhaps 27 or 28 inches. One piece from 30 to 45 inches and some 44 to 42. - Tops of panicles could be discovered in stalks 3 1/2 feet high and in some only 3 feet, by going to them. No panicles seen 8 or 10 rods distant. [In B. Wagon up 2 1/2 to 4 feet.

Broom Corn - in Southern part was all the way from 6 to 24 inches - in most pieces 10 to 20. Average about 14 inches, 22 or over that. One piece on hill, 4 ft. from 20 inches to 3 feet, adj. B. Wagon. In upper part, from 8 to 24 inches. Average about 15 inches, not over that.

Oats. Panicles fully out, but all green; no change of color.

Rye on the lower part of Holyoke & Horn, and in the meadow, stems ready for the sickle or most of it. It is a whitish color with a slight tinge of yellow, when seen at a distance & near by the yellow or straw color is more distinct. The stems are turning straw color or yellowish from light green. The heads are not yellowish but of a light color, except where the kernels give them a different hue. Saw one piece of rye or rye in Venturer's field & in shocks, all full heads hanging below a horizontal line. Erect heads, or half erect, are deficient in grains of rye. That is readily seen. Rye is good.

Wheat. I saw many pieces - all fair. The best was in Old Rainbow, belongs to E. Graves. Bald Wheat is less yellowish than bearded, and heads mostly erect, or nearly so. The stalk of wheat is turning yellowish. not a golden, but a dark, dirty yellow. The heads of bearded wheat are drooping - but not below a horizontal line, & are yellowish, like the stems. The heads of bald are lighter colored & have less yellowish. I suppose the bald is not so forward as the bearded. Graves Wheat in O. Rainbow, is almost golden yellow; heads greenish & yellowish. Wheat from 4 to 5 feet high - average over 4. About ready to be cut or quite.

Buckwheat - one piece noticed. Not in blossom.

July 1831

Tuesday 15. cont. Meadows.

Grass in ploughed meadow. This is about two thirds mowed, & most in the barn. They are chiefly of the 5 sorts before noticed: Red Clover & Herds grass, sown; Redtop sometimes sown, but most of it comes in of itself; English Poa, white Clover.

Clover first runs out; next Herds grass. and Redtop increases; and English and white Clover come in. Most lots, except those recently sown with grass seed, show the 5 grasses named but in very different proportions. Some lots are mostly Redtop, & have a heavy burden but in general the quantity of grass diminishes after the Red Clover & Herds grass are mostly gone, and the light crop is English, some clovers, poverty panicums, redtop, carex, &c.

Hollows have the long leaved carex, but some hollows drained & enriched some, have Panicums of several sorts, Andropogon, Redtop, little Calamagrostis. English Poa, herbs, &c.

11.16.204 Old Rainbow.

Almost half of this is mown; the greater part was cut yesterday and today, but more or less before. Loads of hay go out very fast today, but a great deal remains on the ground, mostly in cock for fear of rain. Perhaps only $\frac{3}{8}$ of the meadow is mown, but I judge there is more. Hardly people are here at work, having bought grass, as usual.

Color of Grass. The redtop is every where red or reddish, & is very distinct; the Poa is light brown & in some places the Poa pratensis. The rest is almost all green, as Triticum, Andropogon, Panicum, &c. Clover heads are dead & dry, but generally obscured by higher grasses.

Andropogons of three kinds are here, and are seen in almost all parts of the meadow, except the high, dry ridges and the low swamps, and the eastern part where Triticum repens is plenty. The forked (A. furcatus) species has in many places shot up stems 2, or 3 feet high, & some 4 feet, but except in rarer instances the spikes are not visible. Most dry ridges have some thatch.

Red Top is nearly as extensive as Thatch just mentioned - perhaps quite - grows on lower, moister land than Thatch often, but not in a swamp. Is stout & heavy in lower or southern and eastern part of meadow, and is elsewhere - not with stout Triticum. The red color is in spots all about - many large, irregular spots, intermingled with green ones. Not on dry ridges so much as Andropogon. Being all fully panicled, it makes more show in hay than the Andropogon, which has no heads.

English Spear grass, or Poa pratensis is disseminated over much of the meadow high & low - often thinly scattered - sometimes tall and stout, but more often shorter than grasses mingled with it. Panicles all dry, & much hidden. Abounds in leaves.

July 1851

Tuesday 15. cont. Old Rainbow.

Triticum repens or Quack grass, I found all along the low grassy strips, by the Connecticut, at lower end of Bark Wigwam. In Old Rainbow it is on the eastern side of the meadow - not so much in southern part as in middle and northern. In some places very rank, crowding out all other grasses; in others rather short & mingled with others. Is in spots - in some places it is found $\frac{1}{3}$ across the meadow from the east side, and even more. I think it is gradually extending but not fast. Not much on western $\frac{2}{3}$ of the meadow.

Flowers, red & white, are mostly on the higher elevations - occasionally here & elsewhere, white clover is seen in low, moist places. Much of the meadow has no clover, or very little - more than half I think.

Panicum virgatum. This broad leaf, pretty tall grass, is seen mingled with *Thatch* and other grasses, as in *Aquavita* & other meadows. And in places where sand washed on, and which are not yet covered with grass, it grows in large bunches, with bunches of *thatch*, *elymus*, & with herbs. In these bunches, it shows panicles in abundance, but not fully out, not spread; and in other places where it is mixed with grasses, the panicles are often seen, or the upper part of them.

Branched *Agrostis* is scattered in sandy spots, & on borders of the meadow - shows no panicle. Not plenty.

Aira, extends up a great distance in the low grounds, from the swamps below the *learn* and gives these grounds a light brown appearance. Is thick in some spots, but in general is very sparse, and makes more show than reality, it being taller than the other grasses with it. Of little value as hay. It will not grow in a low swamp, but on very moist ground near a swamp, *brakes* & other grasses with it.

A Swampy Tract. Commencing about 10 rods below the *learn* in Bark Wigwam, east of the ditch or drain near the middle of this part of the meadow, is the lowest land or the most wet in this part of the meadow. It extends down from the 10 rods below *learn* (ie. 10 rods below a point opposite the *learn*) 30 or 40 rods and 8 or 10 rods wide. This is all a dark green, and different from all around it, in grasses & in color.

Carex or sedge, long leaf, grows on all this tract.

Poa serotina grows on most of it - in some parts thinly scattered, in others it forms half or more of the grass, being all inclined, or drooping like the *Carex* leaves. I have seldom, if ever seen so much in one place.

Dogsbane. *Apocynum cannabinum*, occupies a portion of this tract, with grasses. Is abundant.

July 1851

Tuesday 15 - cont. Old Rainbow

This Swampy Tract is not swampy now, though moist. On its borders are the Caira, and ~~not~~ far red top and Thatch and English. The Tract does not go down to the Connecticut - has a drain to the river.

Another Swampy Tract is near the bank or hill by Young Rainbow - and is the most wet & swampy as high up as the middle of the meadow, & farther north. This is much more soft & sweet than the other, but has no water now. No grasses are in the lowest part, which is soft.

Poa aquatica grows all along near this swamp, or rather in it, but not in lowest part. It turning brown, & is full of ripe seeds, which easily scatter.

Long leaf Carex (some leaves $3\frac{1}{2}$ to 4 feet long, and most from $2\frac{1}{2}$ feet to $3\frac{1}{2}$ and all bent over forming an arch, rather graceful,) is all along this swamp.

Club Rush is plenty here, tall and stout.

Calamagrostis grows on both sides of the swamp but not in it. Also near the other swamps, in spots.

P. Serotina & *P. Nervata* not observed.

Pond Dogwood is here & begins to blossom. Shooting out ~~stems~~ from all sides of the round heads, or a few of them, which are over $\frac{3}{4}$ of an inch in diameter.

Dogsbane is near this swamp. Much of it was near a swamp in middle meadow.

In eastern part of meadow some spots which were deeply covered with sand, bare not yet covered with good grass, though the grass is yearly increasing. On these grow herbs & flowers, and grass in bunches. *Citricum* & Redtop gradually take possession and some panicum, &c.

Elymus, or grass with a long barley looking head, grows on the sandy spots and near the river, & elsewhere. The heads are not fully out, but coming out.

Calamagrostis is not confined to vicinity of swamps, but spots of it are found elsewhere. Sometimes five feet high, making a great swath. Spots not extensive.

Poa Serotina, I found on eastern side of meadow near the willows, as well as in Swampy tract. It is usually bent over - has not so stiff a stalk as red top, & does not stand so erect. It resembles red top that is tall & has but little purple. *Serotina* is mostly green. Makes good hay. Some persons in the meadow considered it to be the Fowl-Meadow grass.

Poa Nervata & I did not notice. These must be rare in O. Rainbow.

July 1851.

Tuesday 15 - cont. Old Rainbow

Herdsgrass is rare in this meadow, but scattering heads are seen here & there. Around some trees where horses have been hitched, there is considerable herdsgrass. — On the higher part which has been ploughed, there is a piece of herdsgrass, which was sown.

In the ploughed meadow, there would be very little herdsgrass, if the grass seeds were not ploughed & buried. It runs out in pieces long kept in grass, in the upper or ploughed meadow.

Vernal Grass. Some brown heads are seen in a few places. Very little.

Danthonia is on some dry elevations. Not much.

The dry ridges, where there is some ploughed ground yield out a light crop of grass. Very rarely enriched by floods. It is better grass both east & west of these ploughed lands, than on this elevation.

The grass with a rough broad leaf, from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch wide, which is seen in many places may all be Elymus. That has such a leaf. The leaf of Panicum virgatum is $\frac{1}{2}$ inch wide but smooth.

Flowers noticed in the meadow — mostly on the damp places. Some among good grass.

Yellow Lilies, drooping, among grass &c.

Asclepias, the common.

Heabane No. 3. chiefly —

Thickly Bellflower

Crow Key Flower

Scabier, on sand.

Rose hips. Blossoms gone.

Golden Rod, a little in flower.

Canada Thistles —

Wild Morning Glory.

Yarrow.

Nasturtium

Reverend Lobelia

Oxeye fading.

Meadow Sweet

Dogbane.

John's wort.

Wild Lettuce.

White Turnip just begins

Brakes or Ferns (Polypod) are in the low moist parts of the meadow, & on some higher ground are not tall. A few of a taller kind are seen.

The first species is always with the aira, and with carex, & often with other grasses.

Field Horsetail is scattered about but not on the wet ground much. On dry ground. Not much of this grows with stout grass. A little marsh Horsetail in swampy places, not much.

Carex that is scattered about & but little in a place is not generally the long leaf carex, but smaller kinds.

div. 16/
p. 205 I estimate the Grasses in O.R. as follows —

1 Andropogon or Thatch $\frac{19}{32}$ or $\frac{11}{32}$

2 Redtop $\frac{9}{32}$

3 English or P. Pratensis $\frac{5}{32}$

4. Triticum or Quack. $\frac{4}{32}$ or $\frac{3}{32}$

5. 6. Red & white Clover $\frac{2}{32}$

Aira, Calamagrostis, Carex } $\frac{2}{32}$

Panicum, P. serotina & other } $\frac{2}{32}$

grasses — $\frac{32}{32}$

This differs a good deal from July 17. 1849.

Less Andropogon and more Redtop & Triticum

No doubt the two latter have increased.

All the farmers say that Triticum has come in within a few years, & that Redtop has much increased & Thatch diminished since they were boys.

July 1851

Tuesday 15. Middle Meadow, upper end.

Where I entered Mid. Meadow, the grass was rather light across to the river. The kinds were 1 *Anelethogon*, 2 English Poa. These two composed over $\frac{3}{4}$ of the crop. Redtop not $\frac{1}{8}$, some *Panicum virgatum*, &c. Very little clover. - *Grasshopper* on N. side next to Mill. Hill. Some *Parus* tail.

Next, easterly came a field of broom corn, of considerable extent, but the corn very ordinary.

Next came grass and good grass to the east or N.E. point of the meadow. Much of it heavy and of good quality. I was surprised to find this highest part of this meadow so productive, and the nearer the point, the better.

Western part - 1 English, 2 Thatch, 3 Redtop, and the best *Panicum virgatum*, *Horsetail*, &c, with some *Triticum repens*, increasing, some *Elymus*.

Eastern part. 1 Thatch, 2 English, 3 Redtop, 4 *Triticum* 5 *Panicum virgatum*. But little Clover.

About half of all is *Anelethogon* or Thatch, & $\frac{1}{4}$ or more English Poa.

Bark Wigwam - Bank of river at end of lots, &c.

Smooth Sumac just begins to blossom.

Golden Rod, a little in blossom.

Leeks noticed on Middle Meadow.

Some good crops on Bark Wigwam lots - not all.

A large Pin Oak stands on lower part of Bark Wigwam - above the bank.

Near River, the principle trees (not large) are Willows and White Maples. A very few Elms, Ashes, Button woods. Some others.

Birds I saw & heard very little besides Bobolinks.

Grasshoppers - are very rare yet.

Butterflies. Large black, & common yellow are seen.

Chestnut Trees on the side of Holyoke are all in Blossom, but make no display. The acorns are partially obscured by leaves. They are of a light brown or are brownish, with perhaps a slight touch of yellowish & greenish.

Wednesday 16.

Thursday 17.

Shad are still sold here - said to be caught over the falls below the dam at Holyoke.

Money. Son J. Walker lent for me and brother Matthews, July 10. to Samuel Sinclair of New York 744 dollars, or rather 800 dollars for a year at 7 per cent. interest taken out in advance. Or. Brother Matthews, 500 dollars, interest out 35% leaving 465. I 300 dollars, interest out 21 dollar, leaving 279. I have the Sinclair's note for 800 dollars payable in a year, and 20 shares of the Irving Bank as collateral security. Have given Bro. M. my receipt for his share of the note or my certificate. (Note renewed 1852 for one year)

July 1857.

Friday 18.

Wild Red Raspberries continue plenty and are sold at **Eight cents** a quart. I have seldom seen so many. They are fully ripe & soft, and not fully free from maggots. Black wild ones (Thimbleberries) are sold at the same price. I do not see many of these.

Dew berries, or Running Blackberries, were offered to day - first I have seen. 8 cents.

Green Peas are very plenty.

New Potatoes are considerably plenty. ^{6¢ a bushel.} ^(some are higher.)

Beets & Cucumbers we have, large enough to eat. Others have had them some time.

String Beans are sold in the village.

Saturday 19

Went out to Greenville to see Frances, &c.

Chesnut Ament, are becoming a little brownish and they are falling from some early trees. They are very distinct in all chesnut woods, but are not, than not been, very white.

Wild Cherry - red, umbellid, has red & nearly ripe cherries, or quite ripe. I observed a striped squirrel on a small tree, he seemed to be after cherries. He ran down when I drew near.

Flowers by Roadsides, or near the Road.

Jewel Weed,	Thoroughwort, white, nearly in flower
Meadow Sweet,	Dogbane with flowers having red
Scratch Grass,	Wild lettuce, plenty
Heart's ease,	Elder. 7/8 of flowers have changed to berries
John's wort,	Loosestrife of two or three sorts
Prince's Pine,	Pyrola rotundifolia (in woods)
Smooth Sumac,	Wingrib Sumac, not yet in flower
Wild Roses,	Virginia Bower, just begun to bloom
Canada Thistle,	Yarrow and Mayweed
Ribwort Plantain,	Com. Plantain, spikes 15 inches
Meadow Rue,	Self heal, long been abundant
Cicuta,	Oxeye Daisy, waning & fading
Heabanes,	Urtica incarnata, by brook
Arrow head,	Galium asperum, abundant.
Scabious,	Water Plantain

Potatoes on lots near road are full of blossoms. Some (or one species) have white blossoms and look like a flower garden.

Panicum virgatum - shooting out panicles by road side
and andropogon furcatus, shows swelled tops. [in one place]

Monotropa uniflora or Indian Pipe is in Round Hill woods. Stem 6 inches high, white, with a white flower horizontal. Stem is tail, & flower is bowl of a pipe, or so imagined.

Humming birds are often seen on flowers in gardens.

Birds in the village are almost silent this warm weather. But in and about woods, I hear the wild notes of the wood birds. Hot weather does not stop their songs. Their music is of a higher strain than that of the village & field birds; and the notes of some of them, heard in deep forests, are rather pensive & serious.

Barn Swallows, I see, flying very near the surface of still river, & other water, also near the surface of mowed lots near the meadow, near the river. They sometimes alight on bushes by the river.

July 1851

Sunday 20. Mr Swift preached
Services 1h. 10 m. A.M. 1h. 7 m. P.M.

Monday 21

Tuesday 22

Wednesday 23.

Jon Sylvester came from Brooklyn N.Y. this morning, came away from B. last evening. He has preached to the new Unitarian Society in Brooklyn, the two last Sabbaths, & will preach there the next Sabbath.

I walked out to Greenville Asn. From mees of children are gone to Connecticut.

By the Road—

Steeple Bush begins to blossom.

Indian Tobacco (*Nicotiana inflata*) has been in blossom some days.

Chesnut Aments are all brown, and falling.

Leersia Grass shows itself.

Erigeron No. 5 is plenty but not quite in blossom.

Gargot has been in blossom some days by the road.

Ladies Tresses are in flower on Round Hill.

White Cereus in flower in various places.
Virginian Knot Grass (*Polygonum* L.) begins to flower July 24.

Fields of corn by the Road. Some show panicles and some not. P.S. most of corn patches in meadow show panicles at some distance. Not all.

Figwort plants in village, begin to blossom. Some are 7 feet high, ~~and begin to blossom~~. Have very large leaves.

Hornelots. Some mowed about June 10 to 15 have been mowed a second time this week & have a decent burden of grass—mostly Red & White Clover & English, some hard grass, & Festuca. Redtop & Viridol hardly seen.

Erigeron No. 5. in flower at Fort Hill. July 24. A plant 6 feet high.
Burdock begins to blossom in village. July 24.

Myself.

I weigh to-day 167 lbs.—about right in that respect.

I have had some uneasiness about the heart for two or three months, & have refrained from splitting wood & other violent exertions. I am better. I have had some turns of giddiness or an inclination to giddiness, ~~and~~ am not entirely free from it now. My sides have not troubled me much since the other uneasiness began.

Salmon from the Kennebec^{to}, fresh, is sold here daily at 25 cents per lb. Costs 16cts in Boston. Weigh from 8 to 20 lbs. each.

Garden Flowers

Tall late Phlox has shown blossoms 3 or 4 days, & they increase.

Dwarf Phlox has blossoms also.

Tiger Lily, the companion of the Phlox, is not yet in blossom.

Tall single Michigan Roses are plenty—the rest gone.

Flowering Purslane shows its red blossoms.

Mourning Bride, Candy Tuft, ~~and~~ other annuals are in flower.

Garden Snappers have been in flower some days.

Yarrow. The bright yellow flowers have been out some days.

Ampelopsis or Porches &c. has been in blossom some days.

Secret-Clover (in garden) is in blossom. (*Melilotus officinalis*).

July 1851

Thursday 24.

Rode with Sylvester to Greenville. Took tea at brother Mattheews.

Friday 25.

Sylvester left us for Brooklyn, N.Y. this morning. Will return to Maine next week.

Saturday 26.

Crops and labors ^{See Aug. 1. 1852}

Harvesting of Rye & Wheat has been nearly all completed - perhaps all - in the two weeks from Monday 14. to Saturday 26.

Haying in Meadows & Uplands, about here, has been nearly finished. A few are always behind.

Some 3d and 4th Hoeing has been done, but not a great deal - mostly done before. Hoeing is done in cloudy days & others not ~~any~~ dry days.

Mowing in the higher or ploughed meadow began about four weeks ago, and the mowing of *Orticum* began in the lower or inundated meadows about the same time. Not very much was done the first of these four weeks, from June 30 to July 5 inclusive. More was done the 2d week, July 7 to July 12. and more still the next two weeks July 14 to 26. The ploughed meadow was mostly finished the 3 week.

3 Hoeings & some of fourth require about 6 weeks. Haying in the meadows, about 4 weeks. Harvesting in the meadows, about 2 week. included in the four of haying.

Hoeing, haying & harvesting, have occupied most of the time of farmers for 8 weeks, or from June 2. to July 26 inclusive. The two first weeks of haying and two last of hoeing are the same.

Haying, including home lots, has been going on about 7 weeks, but few farmers began more than 5 weeks ago, (June 23) even in home lots, and some only 4 weeks ago. Some lots on King Street were not mowed until last week - above E. Williams' land.

The weeks above stated include the time when most of the work mentioned was done. But some began earlier than these weeks, & some will continue later. I presume there is hoeing yet to be done, and I know there is haying, & very likely there is some harvesting, besides oats.

P.S. The next week, July 28 to Aug. 2, finished most of the oats &c. Some hoeing done this week, I think. Some Haying.

Sunday 27. Mr Swift preached A.M.

I did not attend P.M.

Was at Mrs. Clark's in Evening. Asker Colark of Baltimore there and Chauncy Colark.

Monday 28.

Tuesday 29. Heard of the death of Zilpha Cutter sister of Apphia's husband & Sylvester's wife.

Wednesday 30.

Thursday 31.

August 1851.

Thermometer.

	Sunrise.	1 P.m.	9 P.m.		
Friday 1.	53	68.	59	1/2 cloudy. cool.	S.E.
2.	50.	78	68.	Fair + pleasant.	N.E.
Sunday 3.	53.	84	69.	Mostly fair.	S.E. S.W.
4.	57.	73.	61.	Mostly Cloudy	N.E.
5.	58.	81.	72.	Mostly Fair.	Southerly
6.	55.	81.	64.	Fair	S.W.
7.	59.	90	67	Fair Am. Some rain P.m.	N.E. S.W.
8.	64.	89.	71	Fair	N.E.
9.	65	87.	63.	{ Showers in morn. Day 1/2 fair	N.E. S.W.
				{ Shower at 1 1/2 P.m.	{ Some N.W.
Sunday 10.	60.	73.	61.	Fair + pleasant	N.E.
11.	52.	81	70.	Fair + pleasant	Southerly.
12.	62	83.	71.	Mostly Fair	S.
13.	63.	90	72.	Cloudy morn. Day mostly Fair.	S.
14.	67.	72.	62	Cloudy Am. Fair P.m.	S. N.W.
15.	49.	74.	63	Fair + pleasant	N.W.
16.	50.	78.	61	Mostly Fair	N.W.
Sunday 17.	55.	90	57	Cloudy. Some Rain	N.E. & N.
				{ Rain in night.	
18.	55.	72	60.	Fair	N.E. & N.
19.	46.	74.	58	Fair + pleasant	N. & E.
20.	48.	78.	62	Mostly Fair	N. & E. S.
21.	57.	76.	65	Mostly Cloudy	S.
22.	62.	82	67	Several heavy showers today.	N.E. S.W.
23.	63.	86.	67	Fair + pleasant.	S.W. N.W.
Sunday 24.	59.	82	65.	Fair + pleasant	N.W.
25.	57.	88.	74.	Mostly fair. Wind in evg.	W. S.W.
26.	56.	66.	55	Fair and Windy.	N.W. & N.
27.	46.	70.	56	Fair	N.W.
28.	45.	74.	38	Fair + pleasant.	N.W.
29.	46.	78.	62	Fair + pleasant.	N.W. & N.
30.	48.	82.	67	Fair + pleasant	S.W.
Sunday 31.	55.	82	64	Fair + pleasant	S.W.
1713. 2432. 1991					

Temperature.

At sunrise	33 ³¹ / ₁₀₀	} Average 65 ²¹ / ₁₀₀ .
At 1 P.m.	78 ¹⁴ / ₁₀₀	
At 9 P.m.	64 ³¹ / ₁₀₀	

August has probably been about the same as last year—perhaps a trifle cooler. It has been more than three degrees colder than in 1849. A few foggy mornings—not many.

August 1851.

Friday 1.

Garden Flowers.

Tiger Lily began to flower ^{yet} three days ago. But few out

still. ^{yet} Phlox, the companion of the Lily, is abundant and makes much show. Some are white.

Hollyhocks are very plenty. Some plants very tall.

Trumpet Flower has blossoms at Mrs. Woodward's.

Gladiolus is near flowering, but not in flower.

Tiger Flower. (*Tigridien pavonia*). This showy plant is in blossom at Mrs. Woodward's, if I am not mistaken. The flowers are spotted. Belongs to Iris Tribe.

Snappers (*Impatiens*) are in flower abundantly, single & double Bells. Blue bells of two or three sorts, less than Canterbury bells, continue. Canterbury bells are mostly gone.

Blue Lily, with leaves just like Japan Lily, but with blue and white flowers on a tall scape, has been in blossom some time. *Athemero callis*, I presume. Flowers fading.

Maurandia Barclayana. A climber has long been in flower at Mrs. Woodward's. A slender vine, with a delicate purplish flower.

Coreopsis is in yet plenty.

Many golds, viz. large yellow, strong scented, are not ^{see Aug. 15.} plenty. Then are smaller ones, strong scented with 8 or 10 petals, red on top & yellow on underside. ^{6 to 8 pointed} ~~at this may~~ not be a many gold. Involucres ^{Ray on outside petals 10 to 12 & as many points to calyx} yellow flower without scent is called many gold.

Violets, several sorts are always in blossom.

Petunias, *Eschscholtzias*, Mourning Bride, *Portulacas*, *Phloxes*, *Low Phlox*, Candy Tuft, *Larkspur*, *Monkshead*, *Calliopsis*, *Foxglove*, *Scarlet Lychnis*, *Catchfly*, *Tansey Lily*, *Poppies*, *Sweet Peas*, *Zinnias*, *Lady of the Lake*, *Dahlias*, *Single Tall Roses*, *Cassia in Brights Garden*, *Mullin Pinks*, *Other Pinks*.

These and others have been in flower some time; and part are fresh, and many are waning.

Balm is in flower at Brights - has been some days - not our red balm, but flowers are of a pale purple hue, - light colored. Does not correspond with Wood's description of *Melissa officinalis*, but I have called it that in past years.

Smoke Tree is still showy with its multitude of plumose filaments, but is becoming paler.

Syrian Hibiscus called *Atthera*, began to blossom July 30. But few open yet.

Honey suckles continue to blossom.

A tall plant in some gardens has a flower like a wild sunflower, but larger. Stem square, leaves large and connate, 6 or 7 feet high. Perhaps a foreign *Helianthus*.

Cockscomb or *amaranth*, shows red cockscombs - not fully out, as lawrences.

Passion Flower in West's Greenhouse, has round fruit like an apple - 1 1/2 in diameter, green as yet.

August 1851. Friday 1.

Field Flowers or Wild Flowers.

Mullein. When the main tall spike is broken off early, small spikes come out below, in the axils of the leaves, and a plant shows 6, 8 or 10 of these shorter spikes, resembling the Siberian Mullein. Chestnut Aments have all fallen. The butts are from $\frac{3}{4}$ to 1 inch in diameter.

Pond Dogwood shows its globes of whitish flowers, abundantly. Pond Lilies, by Rail Road are dried up & water gone. Erigeron, 3, 4 & 5, are seen, in flower. 4 and 5 are abundant. Some of No 5. has gone to seed, & many plants have not blossomed.

Vervain blue, and white. Flowers of both plenty. Yarrow continues abundant.

Garget on Rail Road has as usual at this season, racemes with green berries, flowers & buds.

Meadow or Tall Thistles are not in blossom yet. Plants are 5 to 7 feet high, { I found one 9 $\frac{1}{2}$ feet. }
C. discolor. + $1\frac{1}{2}$ inch in diameter.

Thoroughwort, Purple & white are plenty in some spots. White not much in blossom yet.

Hedysarum. The panicled has been in blossom some time at Fort Hill. I mean H. acuminatum. Two or three other species are in flower.

Scabish, Loosestrife, Wild Lettuce, Mayweed, Galium, Cicuta, Sleepy bush, Jewel weed, Virgins Bower, Seriocarpus, Johnswort, Canada Thistle. These & others continue in blossom.

Golden Rods. The golden blossoms increase daily, but only a small part have yet appeared.

Polygala purpurea, in Anne Clarke's meadow east of Rail Road, is abundant.

Cardinal Flowers (Lobelia cardinalis) are in West Garden, & have been in flower some time. Three feet high.

Bouncing Bet has been in flower some time by roadside.

Pansy growing wild, is yellow with flowers or buds.

Wild Sun flowers have begun to blossom in the meadow and elsewhere.

Common Thistle (C. lanceolatum) has begun to blossom. The other common Thistle (C. pumilum) has doubtless begun to blossom, but I have seen none for some time.

Common Life Everlasting has some flowers and fast increasing.

Celandine continues to blossom by fences.

Seriocarpus, a sort of white Aster, is plenty & fading.

Horse Balm or Collinsonia is in flower on Round Hill.

Catnip has been in flower some time.

Small Johnswort is abundant in moist lands in meadows.

Comparison of Seasons.

I cannot compare 1851 with 1850. I judge that Aug 1. 1851 is as July 30. 1849, or 2 days later.
as July 28. 1848 or 4 days later.
as August 3. 1847 or 2 days earlier.
as July 27. 1846 or 5 days later.

August 1851. Friday 1.

Crops.

Indian Corn in Meadows is generally in blossom; that is, it shows panicles with anthers. Anthers are falling. Many pieces show the silks of the ears. Some do not. Some exhibit only a part of the panicles.

Broom Corn. The best pieces, and the best hills in other pieces, show some panicles partly out, and the swellings made by other panicles not yet visible. The best hills are 6 feet high, & some may be higher. But in general, pieces do not average over four feet, and there is much that is not over three feet, & some parts of pieces about 2 feet.

Oats is ready for harvesting, and ~~most~~ is cut and in the barns. Weather not good.

Haying. Some has been done this week, but the weather is unfavorable.

Potatoes continue to look green, & to exhibit blossoms.

Rowen grows fast, apparently.

Vegetables & Fruits.

Ripe Apples, so called have been for sale some days. ^{from Pies &c.}

Potatoes seem to be plenty, and fair.

Turnips, Beets, Onions, are offered for sale.

Squashes & Cucumbers are sold.

Running Berries are very plenty at 6 cents a quart. Raspberries are gone. Blackberries (tall) are not offered, nor whortleberries. ^{down to 5 cts}

Pears. Some are ripe, or nearly so.

Tomatoes. Some are fully grown. I have seen no ripe ones; none have changed color.

Small cabbage heads are offered for sale.

Green corn is offered, but kernels are not half grown. ^{not saleable.}

Whortleberries from Shutesbury offered July 6, at 7 cts. afterwards at 6 cents.

Weeds.

These are found in mowings, gardens, ploughed grounds, on the edges of gardens & cornfields, by roadsides & fences, and in vacant, neglected spots.

Pea-weed or Chenopodium. The common kind is abundant ^{in Aug} in blossom. Some plants are five feet high and perhaps 6 feet. I suppose this is *C. Album*. The *C. hybridum* is rare. I saw some on Holyoke by bath side, of both sorts. Perhaps *C. rubrum* is here.

Amaranthus (old hogweed of some) is abundant in gardens & cornfields. Two or three species. Some plants are three or four feet high.

Pea-weed (*Ambrosia elatior*) is plenty in many places. Some 3 or 4 feet high.

Ambrosia trifida. This tall weed is shooting out its long spikes in various places. is not found in mowings or ploughings, but on edges, and in neglected spots.

Digitaria sanguinalis, has put forth its fingers or spikes in gardens.

Cocksfoot *Panicum*, a barn grass, has panicles or spikes. Some 3 or 4 feet high. Very plenty.

Setaria, with horse grass heads, does not yet show spikes.

Panicum capillare, very common, has no panicles yet.

August 1851. Friday 1.

Weeds continued

Corn. Plantain is very common - some spikes 16 inches long.
Grows by mountain paths.

Tall Nettle, often 6, 7, 8 & some 9 feet high, is plenty
on edges, by fences, among rubbish, &c, not much
in mowing or ploughed land.

Stingless Nettle is plenty in gardens and elsewhere.
Parslain, Dock of two or three species, Erigeron, ~~us~~,
Carpet weed, Sow Thistle, Field Horsetail in meadows,
Rabbit foot Clover, Heartsease & other Polygonums,
Three Seeded Mercury, Nightshade (plenty in our garden),
Chickweed 2 kinds. Convolvulus, Lobelias. Torrels.

Glomer. Poa annua, some Carex & other grasses
become weeds. Triticum repens, a bad weed.

Most weeds are late, though a few are early.
Of those mentioned, several show racemes or spikes
or panicles, not yet in blossom, & some are still later.
Some are in blossom.

Hedge Mustard is a weed. also Gargantua Thistle, yarrow.
Beardock. Sometimes grows 6 feet high,
Wild Parsnip, like other common p. is abundant in some
parts of village. 6 feet high sometimes. Has blossoms & seeds.

Crops. &c

I walked to Hockanum and Mt. Holyoke, PM.
Brother Matthews & family went over to Hockanum
in the morning.

Remarks on the opposite page were made from
a view of the upper part of the two meadows, (on
Hockanum Road, & below Maple Street.) I do not
not find much difference in lower part of meadow
between Hockanum road & Mill river, & E. of the road.
There is a great difference in Broom corn. Some
hills are 18 inches high & some are 6 1/2 feet. But
few panicles seen, in many pieces, none.
Indian corn is much more uniform, but
there is considerable difference in this.

Oats. I saw but one piece uncut. Some
was in shocks, & some not bound. Much in barns.

Rye is all carted.

Wheat. I saw but one piece uncut, and that
may have been spring wheat. all the rest
carted apparently.

Grass. Some low places, chiefly long leaf Carex,
are not cut, in Parsons' Swamps, &c. Some higher
spots connected with these low swamps, with
much Andropogon on them, are not cut, but
in general the grass is cut. It seemed to be
all cut in Middle meadows, and nearly or
quite all in Old Rainbow, as seen from Holyoke.

Poa Serotina. I found this growing with the long
leaf Carex in some parts of Parsons' Swamps -
it has become dry and brown. I have often
found it with this Carex.

Red Top. This has turned brownish but retains more
red or purple than the Serotina. The red top
lower branches form a full whorl, as many
and some quite short. They distinguish it from
the P. serotina, which has its lower & other branches
in half whorls.

Andropogon in spots in upper meadow seldom
if ever ploughed, show I think, that this grass
has been extirpated by the plough & hoe & manure.

Powder leaf Panicum, prickly Bell Flowers, Virgin's
Bower, Meadow Sweet, &c, grow with this Andropogon
in Parsons' Swamps or near it.

August 1851. Friday 1.

Mount Holyoke.

Flowers.

Baptisia Tinctoria or Wild Indigo, has just begun to blossom on lower part of Mountain. Wild Sunflowers are in blossom on side and near top.

Oak leaved Gerardia has begun to blossom on lower part of the Mountain & higher up.

Hedysarum acuminatum is abundant on side & near top of Mountain - some flowers and some pods. Is fast, waning as to flowers.

Hedysarum nudiflorum, with a scape of flowers separate from leaf stalk, is on the side of Mountain - about as far as the preceding, not quite.

Enchanter's Nightshade, the larger species, is on side of Mountain & on the top. Has but few blossoms now, but very many rough or burry capsules.

Eupatorium ageritoides begins to blossom on the side of Mountain.

Eupatorium purpureum, usually with whorls of 4 leaves, is in blossom on the side of Mountain. Fireweed by path, not yet in blossom.

Flowers on or near the Summit - on Rocks.

Hair bells very plenty about the rocks, about full blossom or a little past. Some stems are near two feet long.

Silver cinquefoil. Fleabanes No 3 & 5
Scabish. Mullin - A small *Epilobium*
Wild Lettuce. - Agrimony. Whinwort
Wild Basil or like it - E. S. Nightshade - mostly gone to seed
Wild Sunflower - Some *Lobelia*s
Gerardia flava. - *Hedysarum acuminatum*

White Golden Rod. Flowers nearly open, or quite
Golden Rod with purple stem begins to open
Loosestrife - not four leaf. The Four leaf is out of blossom.

Tall *Anemone* out of flower. Fruit looks like a small teasel

Asclepias verticillata or Whorled Silkweed. a delicate species, with a great abundance of small flowers & buds, with leaves in whorls, and almost as narrow as leaves of pines, and about 2 inches long. Do not remember that I ever saw this species before. It was on rocks a little below the top.

Geum strictum near Summit. Some flowers remain. Some plants 3 feet high, some 2.

Berries, &c. Solomon's seal berries (*racemosa*)
Wild cherries red, Squaw Whortleberries
Other Whortleberries, Green do berries, &c.

Three leaf Climber & *Agalinum*, not in flower

Grass of several kinds about Summit.
One species is like *Poa compressa*, very common
Hodgehog Grass in woods little N.E. of Summit
Little *Danthonia* or like it. Carex and other sedges. - Many bunches of leaves without stems & species unknown to me.

August 1. Friday, 1857.

M. 16. 205 Rowen, &c.

In ploughed meadow, I found that red & white Clover and hardgrass were the principal grasses that grow fast and form a second crop. Some *Carex* in wet places and a little *Poa pratensis*.

In Middle Meadow, I walked on a piece that was mowed early, east of the pond & swamp, from the hill to the river. I found the second crop in the hollow below the hill was *Carex*, &c; then Thatch, some of three sort, and English *Poa*, and a little annual barn grass down to *Panicum*; then *Panicum* to the river, most of the way the rowen was Thatch, mostly, and English *Poa*. No signs of Redtop, except very short, or clover. No clover in first crop on this strip.

Thatch. In some spots, where bunches of this remain uncut, the forked Thatch has put forth its forks and is in blossom. The other species are not quite so far advanced. Insects some neglected spots in Middle & Upper Meadow.

Thatch or *Andropogon* in the Rowen, where the first crop was mowed early, in Middle Meadow, has shot up stems from a foot to two feet high, and some are about to put forth forks. Thatch grows faster in the Rowen than any other grass. Perhaps the *Panicum virgatum* is similar.

Bromus ciliatus (see July 17. 1848) is along the banks of the Connecticut, under the trees,

Branched *Agrostis* is scattered about on meadows & uplands, especially, on edges of lots, and by fences and in neglected spots. I see no panicles yet.

Panicum Agrostoides. I find this with its purple panicles, in the rowen in most wet places in meadows, and it is seen in some dry places in meadow and uplands. Some of it is two feet high. It is very leafy. Does not appear in first crop. It is abundant in Ann Clarke's mowing E. of R. Road.

Danthonia is dry & brown, back of Round Hill, & was so on or near the top of Holyoke, i.e. the panicle.

Mountain Sumac begins to blossom.

Live Things.

Grasshoppers are plenty in meadows as usual at this season. They are from $\frac{1}{2}$ inch in length down to a quarter or less. Some old ones are an inch in length. The new ones are some striped, some green.

Crickets. Little ones from $\frac{1}{2}$ inch long down to almost nothing are plenty. Some old, larger ones seen.

Butterflies, yellow, reddish brown, & perhaps others. Millers, whitish or brown. They fly but a short distance.

Bobolinks continue in the meadows. It is pleasant to see them alight on a tall spear of grass or an herb or weed, and rise & fall with the elastic stem, which motions are increased by their singing or other notes.

Crows, I saw, on meadows. Perhaps after grasshoppers.

Wood birds sing as usual on the lower part of Holyoke. Can be heard from the summit, but do not sing on it.

Grasshoppers & crickets are on the top of Holyoke. Mice in the meadows have eaten off many ears. They are plenty because no flood. Have not eaten any wheat. They injure corn much after it is put in bunches, some years.

Saturday 2.

I have examined several snowings above the canal and some elsewhere. I find the grasses that will form the second crop, mainly, are:—

White Clover - do - " " "

Hordeograss. Some heads, not many

Festuca. That has bunches of long, shining leaves

the barn grass (*Panicum crus-galli*) shows itself.

Poa aquatica has shot up leaves & stems, and
some panicles are seen. Some is 18 inches high, and
some 2 feet.

Carex, the long leaved has leaves two feet long in the second crop. Some other sedges have leaves also - generally in wet places, but sometimes in dry.

Poa scrotina & *nervata*. I do not yet ascertain whether these send up leaves for second crop.

Growfoot. This has a second crop, but not plenty.
The flowers are all of *R. acris*, none *R. bulbosus*.

Valley Oat Grass at Whitneys has a good swath
of rowen. A few panicle, appear.

Orchard Grass grows a second time and makes rosette

Orchard Grass grows a second time and makes rosette

August 3. 1857

Sunday 3. — Mr Swift preached AM. Services 1½ hour.
A stranger .. PM. do 1½ hour
Was at H. K. Starkweather's in evening.

Monday 4.

m. 18.
328 Pigeon ~~Pls.~~ I find that there are two
kinds here in gardens & fields & among rubbish.
viz. *Chenopodium album* & *Chenopodium rubrum*.
The 3d species that used to be in Mr. Shepard's garden
I do not find, viz. *Chenopodium hybridum*.

C. album. I measured two plants among Mr. Shepard's pears,
and they were over 8 feet high. Seldom however
do they exceed 6, and often are only 2, 3 or 4 feet.
These are a pale or lightish green, leaves smaller than
those of *C. rubrum*, & narrower in proportion to length.
Very full of buds & flowers on all branches, and
much less leafy than *C. rubrum*.

C. rubrum. A plant near the two above noticed, measured
over 7½ feet in height — very few so high, are
not far from the height of those of *C. album*. Grow
with the *C. album* in some places, but each
species is often found in patches by itself. The
C. rubrum not so plenty as *C. album*; leaves
larger and of a dark green, & more triangular.
Very leafy, and but few buds appear yet
and those at the top. Is much less covered
with flowers & seeds, when the season is more
advanced than the *C. album*.

C. Botrys, or Oak of Jerusalem, is the fragrant ambrosia
so called, of our flower bees.

The *Chenopodiums* seem to have come from Europe.
The Ambrosias (Ragweed & giant ambrosia) are American.
Very many of our weeds are of European origin.
See Connecticut No. 10, pages 62 & 63, &c.

I do not find that *C. rubrum* has much red on it.

C. hybridum I noticed by fence near Wilson's garden.

Myself. I had a giddy turn to day worse
than any I have had before. I could not
stand but crept to a chair on my hands & knees.
It was all over in a few minutes, and I walked
down to the Post Office. I am not troubled in
my sides now.

August 5. Tuesday.

Settled with Cousin Samuel Edwards. I had
had of him since our last Settlement May 14. 1850
7 loads wood in Dec. 1850 & Jan. & Feb. 1851, viz.

120 feet, 137, 106, 120, 130, 143, 153 = 909 feet
on 7 cords 13 feet, at \$3.50 per cord \$24.86

In Oct. 1850. 7½ bushels Apples, @ 58 4.35

11 cock turneps 0.20

Nov. 4. 1850. 5 Gallons Lingon Sp. 7 bushels Turneps 9 0.96

I paid him as follows: —

Inclosed on Note for 324[¢] Jan. 13. 1851. 1 year Interest 19.44

Inclosed on Note for 103½ Feb. 5. 1851. 1 year Interest 6.21

Inclosed on Note for 50[¢] April 28. 1851 4.72

[See May 14. 1850 & 29. 1850. & Jan. 1851. 30. 1851 \$30.37

August 1851.

Letters sent. Count from under Feb.

- Aug. 14. To dau Peninnah, Augusta.
14 To Dr. Avery J. Skilton, Troy, N.Y.
14 To Mr Stephen Judd, Southington, Conn.
14. To Mr Prudden Judd, Claremont, N.H.
5 To Mr Amos M. Judd, Watertown, Conn.
8 To Solomon Judd, Esq. Syracuse, N.Y.
8 To James Savage Esq. Lunenburg, Mass
16 To Miss F. M. Cautkins, at London. Sent 18th.
18 To son C. Parkman, at Reading.
21 To dau Peninnah, Augusta.
21 To Rev Joseph B. Felt Boston
22. To Hesper at Augusta.

- Sept 8. To Rev S. Nash, Essex, Conn.
9 To A. J. Skilton, Troy, N.Y.
14 To Hon. James Savage, Lunenburg, Mass
15. To Hon. O. B. Morris, Springfield, about
Hathorn's abuse of the Peckham family.

- Oct 7 To son C. Parkman, Reading, with \$
7 To James Savage Esq. Lunenburg, with some
pages of families.
17 To Nathaniel Goodwin Esq. Hartford.
18 To Charles M. Taintor, Shelburne.
18 To Rev Sylvester Nash, Essex Conn.
22 To Frederick Judd Watertown Conn.
23 To Nathaniel Goodwin, Esq. Hartford
27 To do do do do
28 To Rev. Hosdick Harrison, Bethany, Conn.

- Nov. 9. To Children at Maine, Augusta, } about
9 To Children at Brooklyn } death of
9 To son C. Parkman at Reading } little Hall &c
12 To Nathaniel Goodwin Esq. Hartford
13 To Rev Hiram Bingham, E. Longmeadow

- Dec. 13. To Rev Reuben Hubbard, Homer, N.Y.
13 To Rev Wm. E. Gattin, Carthage, Hancock Co. Ill.
15 To Dr N. R. Brown, Homer, N.Y.
15 To Henry B. Burr, Homer, N.Y.
15 Wrote to Children in Maine
23 Wrote to Children in Maine.
25 Wrote Children in Brooklyn & N.Y.
27. Wrote to J. J. De Wolf, M. D. Providence, R.I.

- 1852
January 8. To Nathaniel Goodwin Esq. Hartford
9. To Charles Ewer, Boston.
9 To John Daggett, Attleborough, Mass
13 To Peninnah, at Springfield.
14 To Mr. Bottwood, Amherst - began Jan 10th, 1 1/2 sheets
11 To Rev T. Edwards D.D. New London
23 To Nathaniel Goodwin Esq. Hartford.
29 To Rev T. Edwards, D.D. New London
29 To James Savage Esq. Boston.
29 To Melton Judd Esq. Monterey, Mass

Continued Feb. 1852.

August 1857.

Wednesday Aug. 6.

Thursday Aug. 7.

Friday 8.

Saturday 9. [Hail & whirlwind in connection.]

Sunday 10. Did not go to meeting. Toes sore.

Monday 11.

Living Things.

Lightning Bugs continue, but are much less numerous. Flies have long been plenty & annoying to man & beast. Mosquitoes, hardly one has come into our rooms this season. They are plenty in some places.

Chimney Swallows. A nest fell down into the fire place of our front room, with several young ones; they were there fed by the old ones about two weeks, behind the sheet iron fire board, and departed up chimney Aug. 3d or 4th.

Bobolinks. The brown ones are much the most plenty in the meadows - probably many of them young ones. No regular song. They alight like the black ones on stiff spears of grass or the stem or branch of a herb or weed.

Singing birds are heard in the woods, but not in the orchards, gardens & fields. A few notes are sometimes put forth by the robin.

Crickets now have a regular evening strill; they go together & continue unbroken. Their regular autumnal strilling or evening noise began only a few days since. Previously their noise was more clip connected and interrupted and numbers few.

Grasshoppers. The noise which I used to attribute to them is now heard - a chee, chee, chee.

Locusts. The noise attributed to them has been heard in hot days since August began, and perhaps before.

Katadids. I have not yet heard any

Wednesday 12

Katadids. In the evening I walked over to South Street, & heard a few katadids. They are evidently in their incipient state, and their noise is feeble. & but few are heard at all.

Lightning Bugs. Hardly any seen. They seem to have had their day, & are nearly all gone. Perhaps they cease when katadids begin.

P.S. a few seen later Aug. 14, 15, 16, 17. I saw 2 or 3 near mapst. Aug. 31.

Harvest in Europe, and Haying, [See June 6: July 18, 1852.]

11. 11. 230] Gaily found them cutting Rye along the Rhine above Mannheim July 14. Wheat not quite ready. They were haying also & hoeing potatoes. Half the laborers were females. [This corresponds nearly with our season. They were harvesting Rye in N.E. France a day or two after, wheat not ready.]

In S. of England, Surrey - Surrey. Wheat not ripe July 22. Haying was towards the end. About 1 female to 5 men in hay fields.

In Italy central, harvest was a month before - or about June 22.

Haying going on in England July 28 from London to the Tweed or Scotland. Grass not half cut in lowlands of Scotland July 30. Wheat not filled.

Gaily thinks 2 weeks difference between London & Edinburgh. Aug. 15. Harvest generally begun as far north as Liverpool or farther. Aug. 25. would be the middle of harvest for England, it was thought. Harvest finished in most or all of France Aug. 10. i.e. wheat. Harvest in England continued in Sept.

August 1851

Wednesday 13.

Thursday 14. Brother Parsons & Betsy here.

Meadow.

M. 18 / 2011 I walked P.M. down to lower end of Old Rainbow and up towards the northern part, zigzagging, and came home across lots & not in paths.

Grass in Rainbow.

Andropogon are much more conspicuous than any thing else; have grown faster than any thing else; in lots mowed early, they have shot up stems abundantly from 18 inches to 3 feet high, with spikes or panicles at the top. The leaves as they stand are 12 to 15 inches high.

Andropogon furcatus is the most common or perhaps is only the most early, the others not showing their inflorescence so much. It has generally 3 or 4 spikes. Begins to flower.

Andropogon nutans shows some panicles, but much fewer than the *furcatus*. Leaves & height about the same.

Andropogon scoparius - has leaves much more narrow than the other two; is plenty in the higher parts, & is seen in other parts. Has shot up some stems, but seldom shows the head - is not so forward as the others. I think there is more of this sort than appears at first sight. It is not so prominent as the other two, in stems or leaves.

English (*Poa pratensis*) is seen on much of the meadow, thick or thin - 3 or 4 to 7 or 8 inches high. Only leaves. It is among the *andropogons*.

Triticum repens, on the eastern part of the meadow, is plenty, and in some spots of good land 10 to 14 inches high, making a good swath. In other places it is only 6 or 8 inches high; with a mixture of other grasses.

Reedtop. This does not put out leaves so soon nor so many as the others after the first mowing. In many parts, it will add but little to the rowen; in some, it will add more. Not very distinct.

Clover is found on the higher parts, where it was at the first mowing. Will not add greatly to the rowen.

Panicum agrostoides is in all places that have been wet, except the lowest; in some places it is tall & thick; in others more thinly scattered. It is from 1½ to 2½ feet high and full of reddish panicles.

Carex especially the longleaf, is on the low grounds with other sorts; leaves from 18 to 30 inches long.

Brakes grow on all the low & some on higher land.

Calamagrostis. Some is a foot high.

Panicum virgatum is scattered about in most parts - generally in bunches. Shows panicles.

P. serotina and other water poas, not noticed, nor *aira*. A little *Poa hirsuta* on sandy spots.

August 1851

Thursday 14. Old Rainbow, con.

Anthropogon } These & clover are all the grasses
P. Agrostoides } that show heads, spikes or panicles,
P. Virgatum }
Whether *Triticum* will put forth a head, I
do not know. Probably not.

Grass is short in many places, excepting those mentioned as tall, as Thatch, *P. Virgata*, *P. Agrostoides*, *Triticum*. English is now where tall - all leaves, often thin, sometimes thick, but is now next to the Thatch for quantity, I think. The Redtop is still shorter. They would stand now - 1. Thatch, 2. English, 3. *Triticum*, Redtop would hardly be fourth now, but may be at the time of mowing. Thatch bearing now one half of the whole grass, high enough to mow, but perhaps shows more than it is. *Equisetum* is not plenty now.

Upper or Ploughed Meadow

Indian Corn appears well. Some very fine pieces. A few pieces have corn ready for roast ears - perhaps many pieces have a few such ears, but much the greater part, probably nine tenths or more, is not yet forward enough for roast ears. Perhaps 19-20ths is in this state; I think it is.

Broom Corn. Many good pieces, and not a few where the stalks are small & low, and many leaves yellow, or a portion of the stalks are small. The most advanced pieces show most of the panicles in part, but not fully out of the sheath & so not spread. A few panicles are out & spread & show a tassel. A number of pieces in young Rainbow & in higher meadow, which are thrifty and promise well, have only begun to exhibit tops of panicles, here and there one.

Potatoes show more or less dead leaves, though generally green. Disease said to have begun.

Pumpkins not very much advanced - seem late.

Buckwheat, one piece seen - in blossom.

Grass.

Second crop clover is ready to cut - heads becoming brown. Hard grass generally much behind the clover. Hard grass cut late does not promise much for a second crop, and redtop still less. Redtop puts forth leaves slowly & sparsely in many places, and the brown stubs of the first crop are not covered with green leaves. Some late cut hard grass is similar. Some early cut has sent up stems & spikes, sparsely. English not prominent, except in lots long in grass, and it is not thrifty in these - I noticed one hollow, in which the first crop lay in the swath, just mowed.

Panicum agrostoides is plenty in the hollow in which the ditch is made, & in other low spots, & is thick in spots. *Garex* commonly with it.

Rabbit foot clover is abundant, a foot high, on a stubble & makes a show. It is commonly mixed with the Fox tail *Setaria* or barn grass, and the latter almost covers the land in some stubble pieces.

The *Setaria* with a spike, or fox tail top, starts up in almost all mowings - is in Old Rainbow, & in higher meadows.

August 1851

Thursday 14. Meadows - continued.

m. 18. 328 Weeds in corn & broom corn.

Setaria with a jointed spike (perhaps 2 species *S. viridis* and *S. glauca*) is the most plenty of any I think. Most of it has come up since the last hoeing, or has chiefly grown since then.
Cockfoot *Panicum* (a barn grass also), Sorrel, Purslane, Pigweed, Ragweed, Hogweed or *Amaranthus*, Heartease, Wood Sorrel, branched *Agrostis*, Carex, Clover, *Convolvulus*, *Equisetum*, Carpet weed something like it; Wild Radish, *Panicum capillare* or Fiddle Grass, *Digitaria* with its fingers (not much seed), a little Plantain, & a few *Cecyrticks* (not in blossom) milkweed, low Johnswort, Nettles, ^{& dock} on borders. I notice no weeds but these, save that *Triticum* seems to be a weed in young Rainbows. Rabbit foot Clover is not seen among corn. Canada Thistle is a weed in some pieces of corn and broom corn.

Mice are very plenty, I think; many of their holes and doings noticed.

Crashhoppers are about as plenty as usual, from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch long, & older ones longer.

Crickets as usual. Both make noises but they are not the regular sing-song noises of the evening.

Birds are few. Some larks & others. A hawk. Woodchuck and Fox Holes not noticed.

Friday 15.

Walked into upper part of South Meadow. Corn & Broom Corn & Grass not very different from those in the other meadow.

Oats, Stubble shows, with clover, an abundance of Ragweed, with some *Setaria* (jointed,) but no rabbit foot clover.

Along by Mill River, grow many things, viz.

Andropogon, viz. *furcatus* with 3, 4 or some 5 spikes from 3 to 6 $\frac{1}{2}$ feet high, in flower. Also some stalks 5 to 6 $\frac{1}{2}$ feet high with 8 or 10 spikes to a stem, perhaps same species. Also:

A. scoparius with stems 2 feet high or more

A. nutans not noticed.

Panicum virgatum - tall with large panicles.

Panicum with broad leaves, plenty on bank. 2 or 2 $\frac{1}{2}$ ft high

Branched *Agrostis*; some shows panicles, not much

Star flower, white, just begins to blossom by river.

Golden rod 6 feet high is by mill river.

Giant *Ambrosia* still taller.

No. 5. Fleabane, 6 feet high with a large top. Flowers near By Rail Road

Garry et. in flower, but mostly in berry. Berries green

Citrus in flower - *Agropyrum* ^{some 8 to 9 feet high}

Scabish still in flower, some 6 feet high or more
& Elder Berries turning black. Birds eating them.

August. 1857.

Friday 15.

Garden Flowers.

Tiger Lily } some 5 to 6 feet high, or most. These are
Dull Phlox } the showy flowers of the season.
are in most gardens of rich and poor - make
more show perhaps than all others. Many in
door yards. (See last year.) Some of the Phlox are white.

New Flowers since Aug. 1. are but few, viz

Clethra - has been in flower some days.

Marsh Mallows - have just begun to blossom

Japan Lily. Mr. Shepards began to blossom today -
one blossom or only. Two or three more Aug. 16.

Sunflowers - have been out a week or more.

Morning Glory - not noticed before today.

Prince's Feather (Polygonum) has shown flowers some days.

Amaranthus, Hypochondriacus (called sometimes Prince's
feather) has shown its long plumelike clusters
some time.

A Cock's Comb on a stem with leaves entirely
green, (both) noticed Aug. 1. is now developed
& has much resemblance to the comb of a cock.
It is not an Amaranthus, but apparently the
Belosia cristata.

Flowers noticed before, & some not before.

Syrian Hibiscus, called at this, is prominent now.

Hollyhocks, though on the wane, still show
many flowers of various colors. I notice
one plant 10 feet high & over an inch in diameter.
(a few double)

* Marigolds are conspicuous in some garden,
but not in general. There are evidently three
varieties of the Tagetes, called African or
French Marigolds, all strongly scented in leaves
or flowers or both. Some are single with 8 or 10
rays; some are double but otherwise like the
single ones; some are not yellow but dark colored,
single & lower & smaller than the others. Leaves of all
pinnate & more or alike. All the A. & F. are Mexican.

See Aug. 1.

* Marigold - 2.

150

Mr. Hest. 2. 146

I do not find the *Calendula* or Pot
Marigold here, unless the following be one.

One at Dr. Watkins, with leaves not at all pinnate,
is a pot Marigold, I think. Neither single nor
double, but between. It closes up mostly at night
as the pot Marigold is said to do. The leaves
are alternate, rather spatulate & almost entire,
like those in a picture of the *Calendula*. This
has a strong scent but not so offensive as that of
the Tagetes. Stem below flower narrow & well set.

Borage or *Borago officinalis*, with a sky-
blue flower, is in Mr. Wells garden - has long
been in flower. Stem & leaves very rough with hairs,
used to be esteemed medicinal, & used as a salad, &c

Datura Stramonium or Thorn Apple. A plant
in Mr. Wells garden is 6 feet high, and has thorny
apples and flowers.

Flowering Purslane, Sweet Pea, *Petunia* &
Dahlia (some 8 or 9 feet high) are still plenty.

Coreopsis, Poppy, tall purplish mallows, Lady
of the Lake, *Gleditsia*, Larkspurs, Zinnia
Snappers, & some others show many flowers
but are waning.

* Involucre does not correspond with the book.

August 1851

Friday 15

Wild Flowers.

Golden Rods are plenty, of many sorts, but will be more plenty.
Star Flowers. I have seen a few blue ones and a few white ones. Presume they are plenty in western part of the town, or more plenty than here.
Virgins Bower is a very common flower.
Thoroughwort, white & purple. plenty
Wild Sunflower, plenty.

All the plants mentioned as Field Flowers Aug 16, 1850, and most of those named Aug. 1 1851, have blossoms. Many are waning.

Comparison of 1851 with 1850.

This season does not differ much from last year at this time - may be the same, may be a day or two later.

Upland Plover. [see Aug. 2.]

The lots above the Canal from Justin Smiths northw. to Lyman Lane.

These four lots are moist land or not dry, and in general well manured. Have long been in grass, except some spots. One has been mown and carted; the grass of one lies in the swath and winnow; and two are uncut.

Red Clover now seems to cover almost all these lots except the moist or wet swales. Is much more prominent than in the first crop. In going among the grass unmown, the predominance of clover is evident. In examining the lot in swath & winnow, the clover appears quite as large a proportion of the grass.

White Clover is thick in many spots but is shorter than the other, & not seen at a distance.

I made up my mind that one half of the grass in these lots including the wet spots is clover, red & white, the most of it red. The lot which has been mown & the hay carted did not probably differ from the other three.

The other half is English or *Poa pratensis*, Herdgrass, Redtop, and *Festuca*; and in wetish places, *Carex*, *Poa aquatica*, *Panicum agrostoides*, & others. There are some bunches of Thatch.

Carex is of more than one species, & leaves are $1\frac{1}{2}$ to $2\frac{1}{2}$ feet long, of the most common.

Herdgrass has shot up a number of heads but not to be compared with those in first crop.

Redtop in good land, does, I think, help the rowen considerably. though it seems to start and grow slowly.

Vernal Grass. This probably aids the rowen some, but I cannot distinguish it.

Grass on most of these lots is from 12 to 18 inches high; and from 8 to 12 on the rest, some poor spots excepted. Red Clover generally the tallest.

August 1857.

Saturday 16.

Upland Rowen — continued.
I walked through lots west of King Street almost up to the woods, & in returning crossed some east of the street.

I find that the same grasses that constitute the first crop, make up the second crop, but in different proportions, viz red & white Clover, *Poa pratensis*, *Herdsgrass*, Redtop, Vernal Grass, *Festuca*, and in wet places long leaved *Carex*, and some other sedges, bullrush, *panicum agrostoides*, waterpoes, A little barngrass in spots.

- 1 Redclover is the most prominent, on good lands not too wet, & is seen on poorer lands. The heads are turning brown. When sown last year alone, the crop is almost all clover. When sown with herdsgrass two or three years since, on rich land, the clover is conspicuous & showy but there is much herdsgrass & other grasses with it. In some lands more exhausted the clover is conspicuous in spots and the other grasses are short, & will yield little or no crop. Land kept fertile by manure continues to put forth clover for any length of time, & other grassy.
- 2 White Clover. There is much of this but it has few blossoms & is not seen at any distance. In some places, it is thick and of some height, and in rich land, both red & white clover are seen in wet places with *Carex* & other wet grasses.
- 3 Vernal Grass. I find that this shoots up leaves in the second crop, but they are not very long, & are hardly distinguished from redtop.
- 4 Herdsgrass sends up some spikes, and is perhaps taller than other grasses besides the stem, red clover excepted. Some of it is short.
- 5 English *Poa* is not so plenty as I had expected except in rich dry lots, which have been long in grass. It may be No. 2, clover being No. 1, but in many places is not No. 2.
- 6 Redtop is seldom of much height, but is thick in spots, where land is good.
- 7 *Festuca* has leaves of some length.
- 8 In moist or wet grounds, (all dry now.) *Carex* with long leaves is conspicuous — leaves 18 to 30 inches, some are 18 to 24 inches high besides the arch that is forming. No grass grows so fast as this after the first snowing, and as land becomes exhausted it extends to drier places. There are other species of *Carex* or sedge.
- 9 *Panicum agrostoides* with its reddish panicle grows up fast; perhaps as fast as the preceding. It is in moist ground, but does not grow on the lowest; *Carex* is there with bullrush.
- 10 Bullrush shoots up but few stalks in the second crop.
- 11 The four waterpoes are doubtless all in the 2d crop, but I notice only *P. aquatica*. Not much of them all. Ribwort plantain is in blossom in second crop. Some ferns, herbs, much bitterhoarhound, &c. Some lots will have no second crop worth mowing. Clovers are half of the whole in some lots; in others one fourth; in the low ground or high poor ground, very little.

August 1857

Saturday 16. continued.

Pastures. In some pastures between King Street and Prospect Street, eaten close, and now dry, I noticed that the grass is uneven, and which was in bunches and spots all about, was the dry, light brown stalks and panicles of Redtop and Orna Grass. Both have green leaves at the bottom but not enough to induce cattle to meddle with them among so many dead leaves and stems. All the English Poa clovers, and other grasses, except the two sorts mentioned, were eaten off close.

In wet spots in a pasture were the long leaved Carex & some others, Bullrush, Wild Iris, Scratch Grass, Water Horehound, a little Poa Canadensis. The other Poas did not show themselves—perhaps eaten by cattle. The tops of Carex leaves were many of them eaten. There is no water in these swampy places now. There are mowings & pastures that have large spots of the long leaf Carex, 3 feet long or more, before the first mowing, or eating off. Some Bullrush & Poa Canadensis are frequently with it or near it. Some spots of swamp rowen are almost entirely long leaf Carex, which makes a fine appearance.

Sunday 17. (A stranger P.M., I did not go P.M.)

Monday 18.

Tuesday 19

Wednesday 20

So much cool weather that vegetation is rather backward, though not very different from past years.

Tomatoes are brought from N. York. Not ripe here.

Peaches are " " do. 10c to do.

Corn & beans are plenty enough with many, but I have had neither. My beans are large enough but corn not.

Whortleberries are sold at 6 cents. From Shutesbury

Dewberries are not offered now.

High blackberries are brought from Norwich, 6c.

Humming birds I see frequently about garden flowers. They alight on an herb or on the limb of a tree. I have seen them on both. They are on flowers about sunset frequently. Must have nests near here, or young ones.

Potatoes are plenty enough. There is talk about the disease, but I suppose it has ^{not} shown itself extensively in this vicinity.

Rowen. They are cutting this daily, on home lots.

Lightning bugs. But few seen since Aug. 10. But there were a few bright gleams for several nights after the 10th.

Locust noise is heard in all warm, fair days.

Cricket noise is now regular & loud & distinct. Some think it sounds like, dear dear; others begin it with t. I cannot find any letters to express it.

Grasshopper noise is continual—a sort of che-che-che.

Water melons. I did not notice any until Aug. 25.

Thursday 21. C. Parkman came home today.

Friday 22.

Saturday 23.

August 1857.

Sunday 24. A Mr. Blanchard preached
Monday 25. Services 1½ hour each.

Tuesday 26.

Son Hophni & daughter Peninnah came from Maine - reached here. Pers. Hophni has been there three weeks on a visit; Peninnah has been at Augusta since May 1850, on account of Apphia's bad health & absence.

Wednesday 27. Hophni set out for N. York at 6 AM. David Parkman at Widow Isaac Clark's in evening

Thursday 28. Parkman left us at 6½ AM. We now have Peninnah added to the regular family, making three of us.

Friday 29.

South & Hockanum Meadows.

Swalked down to the lower side of Hockanum meadow. P.M.

Indian Corn in these meadows (South & Hock.) is generally in roasting ears. A portion of the most forward pieces has begun to harden, but a portion of the late pieces is hardly ready for roasting.

Broom Corn. Panicles are generally out entirely or partially. Of some pieces, the panicles are nearly all out and spread, & portions of some hang down at a sharp angle. Of other pieces, a part of the panicles are not entirely out of the sheath, and a few are not visible. Much shows yellow anthers; some panicles have milky seeds, and some have not flowered. Panicles not yet yellowish.

Potatoes have some dead leaves, but the greater part of leaves are green.

Pumpkins. I saw some large ones quite yellow, both in South & Hockanum Meadows.

u. 18,328 Weeds in Corn & broom corn in Hock. meadow.
Purslane, Carpet weed & Horsetail are abundant.
Ragweed, Amaranthus, Foxtail Setaria, less plenty
Convolvulus, 2 species, Panicum capillare, more rare
Goatsfoot panicum, Digitaria or fingergrass
Heartsease, Sorrel, Carex, Clover, Triticum
Wild Radish, Spotted Spurge, Oenothera or Scabish
Pigweed is rare. Little Rabbitfoot Clover.
Little 3 seeded mercury.

u. 18,328 Weeds on Rye stubble.

Rabbitfoot Clover, the most plenty; Ragweed, Horsetail, No 5 Fleabane, Foxtail Setaria. Not much Rabbitfoot in Oats stubble (Spring grain). Land in broom corn last year & neglected since, is covered with No 5 Fleabane, Scabish, Ragweed Redtop, &c.

The Burr Grass (Tribuloides) is full of burs on Rail Road, in Hockanum paths, & in edges of ploughed land next to road. They are not green and do not adhere to garments.

August 1851

Friday, 29. South & Hockanum Meadows.

Hockanum Grass Meadow, and the strip of grass land S. of the ploughed land.

Andropogons are the only grasses that have grown much since the grass meadow was mown. They are almost all *A. nutans*; at least, no heads are seen but of this species, in the best part of the meadow. There is some English *Poa*, some Redtop, & a little clover, but these do not promise much to grow. The *Andropogons* are far in advance of every thing else.

The three species of *Andropogons* grow on the side of the path, and are of the first crop - by the side of the ploughed meadow.

In wet places, grows the *Panicum Agrostoides*; some of it where not mowed at all about 2¹/₂ feet high; long leaf *Carex*, brakes,

where it is more wet, near the Connecticut, there is a large, tall bullrush, and a large clubmoss.

Strip of Grass Land, S. or S.E. of Plough-land.

On this is the *Andropogon* (no heads but of *A. nutans*), *Panicum*, English *Poa*, Redtop, *Carex*, *Pan. Agrostoides*, and in the higher parts the purple *Poa hirsuta*. Will yield more grass than the larger grass meadow, by the acre.

The *Panicum Virgatum* grows in most places where the *Andropogons* grow.

Birds, &c.

I saw only Hawks and Crows.

Crickets, sounded, but not as in the night.

Grasshoppers made their noise. Most are now almost an inch in length; and they are some of the long winged ones, 1¹/₂ inches in length or more.

Butterflies - one seen - large black or dark brown; yellow, and London brown small.

The Rail Road:

This furnishes a great variety of weeds, grasses and other herbs, and shrubs. Some grow very tall. Here are Golden Rods 7 feet high; Giant *Ambrosia* 8 feet high or more, about an inch in diameter; Milkweed 5 feet high; Maple leaf Raspberry, which has red berries and blossoms, &c. Almost all plants, one here that are in adjoining meadows, and some others. Plenty of *Cler grass*. Scabish tall.

Wall Thistles are in blossom at Hockanum Mead.

Pickered Weed continues to blossom on low land in Old River bed, where grows a stout Bullrush larger than I have ever seen on upland.

Beggar Ticks begin to show flowers.

Polygonum are abundant on low grass land, are small. A may shows yellow disks on Rail Road, & in Hockanum M.

August 1851

Saturday 30.

Wild Flowers.

See last year, Aug. 31. and Sept. 1. Every flower named there, may be found ~~now~~, many kinds, or most kinds are waning & have been some time.

Pond Lily has flowers in a bay of the Connecticut, Hockanum. Pokeberry is plenty on the upper part of Rail Road. flowers and berries. Birds pluck the black, ripe berries.

Starflowers, white are by Rail Road & near Mill River, &c.

Blue starflowers are towards Bensonville, & white also.

Golden Rods are more plenty than any thing else perhaps. Many sorts. Some are waning, some not out.

Virgins Bower. Blossoms gone generally. The plumose tails appear.

Snake Head flowers are by Bensonville road Sept 3.

Blue Gentian, is not quite in flower.

Garden Flowers. ^{Sept 15}

Same as last year Aug. 31 and Sept. 1. or nearly the same.

Most of those named ^{in 1850} are declining, & have lost their freshness.

Tiger Lily & These flowers, so gay & so common, two weeks ago, are mostly gone. There are a few lilies remaining, & more phlox, but their glory has departed. Some white Phlox flowers are still fresh.

Low or German Phlox. These flowers are bright, pink, & other shades. Starflowers, single & double, are bright, some not out.

Gilliflowers or Stock gilliflowers - Some in blossom, some not. ^{What is the botanical name?}

Japan Lilies, in full blossom.

Marsh mallows, ~~at~~ ⁱⁿ full blossom. It is an *Hibiscus*, or *Hibiscus moscheutos*.

Syrian *Hibiscus* (called *Althea*) is still showy with flowers, though many have withered.

Dahlias are common & some are elegant.

Trumpet Honeysuckle & These began to blossom last spring; *clatrimony* vine and they still blossom.

Marigolds are plenty & showy in some gardens.

Smoke or Fringe Tree. The smoky filaments remain on many trees, but they are brown & dry; falling.

Celosia cristata is fresh & bright. See Aug. 15.

Sunflowers are showy. There are some large double ones. A flower of the *Helianthus* genus apparently, or a kindred genus, which is shaped like a Dahlia, is in Mr. Lawrence's garden. Yellow.

Chrysanthemums. There are in some gardens.

Snappers continue very plenty.

Sunday 31. Mr. Leavitt sang Joshua L. preached P.M. a man of mind. Mr. Swift A.M. Mr. Leavitt's subject was the origin, injury & benefits of sects and parties in religion.

2 September 1857.

Thermometer

Summer, 1 P.M. 9 P.M.

Monday	1	60.	80.	58.	Fair mostly, N.E. S.E.
	2	55.	60.	56.	Cloudy some Rain. S.E. S.
	3	55.	70.	60	Mostly cloudy N.E.
	4	49.	73.	60	Fair & Pleasant. N.E.
	5	55.	78.	68.	Fair & pleasant. N.E. S.
	6	58.	84.	68.	Fair & pleasant. Southw. S.E.
Tuesday	7	63.	84.	73.	Fair & pleasant S.E.
	8	68.	84.	73.	Fair mostly. S.E. S.
	9	67.	89.	73.	Mostly Fair. Hot. N.E. S.E.
	10	64.	84.	74.	Mostly Fair very warm. S.E.
	11	70.	89.	74.	Mostly Fair Hot. S. W.W.
	12	64.	90.	70.	Mostly Fair, Little Rain at 5 1/2 p.m. N.W.
	13	67.	89.	59	Fair & Clouds. N.W.
Wednesday	14	48.	58	47	Fair & pleasant. Cool. N.W.
	15	33.			Heavy frost.
		843.	1142	913	

Temperature of 14 days.

At sunrise $60\frac{3}{14}$
 at 10 A.M. $79\frac{6}{14}$
 at 9 P.M. $65\frac{3}{14}$ } average $68\frac{4}{14}$.

These 14 days average 5 degrees warmer than June, two degrees colder than July, and over 2 degrees warmer than August. Extraordinary for September.

Frosts. There were pretty heavy frosts on the mornings of Sept 15, 16, 17, & others during the month. Frost followed close upon the hot weather. All tender herbs were cut down, I conclude, by the frost of Sept 15, 16, & 17, or almost all. Some garden vegetables remained, it is said. I observed that all the corn that was green, wilted on the 15th, all the way to Fitchburg, but not on Hunkburg hills.

I presume the Indian corn in our meadows was cut up & stacked soon after Sept. 15, and the broom corn lopped, but I have made no inquiries (Oct 6.)

Frost came early this year; it is seldom so early as Sept. 15.

September, 1857.

Monday 1.

Comparison of season, or vegetation.

I think the season is not behind last year; and it maybe a day or two in advance.

Peaches. Mr. Shepard's begin to be ripe, viz. the large rare ripers. But few ripe yet.

Plums. Some Mr. Shepard's are ripe and were 2, 3, & 4 days since. Mr. Hibben's all a few ripe, and some a week since. In general however, plums are not ripe. Pees are full.

Tomatoes. Some are ripe, but ripe ones in garden are not plenty.

Watermelons are brought from N. York, or have been at Muskumelon, from ~~Elk~~ Thompson, &c.

Sweet Potatoes, from N.Y., begin to appear.

Berries seem to have nearly all disappeared. Potatoes some are carried to the public houses, &c. Black berries, after this, see Sept. 9.

Meadows.

I walked down from rear of Hawley Street Lots across the meadow diagonally, to lower end of Old Rainbow; then up Old Rainbow in a zigzag manner; then crossed the meadow and came home.

Indian Corn is generally in the milk or fit for roast ears; some is too hard for roasting ears, & some not advanced enough. Silk is generally black. Panicles light brown and dry. A few dry leaves on the lower part of the stalk, & a few ear-husks have dry edges.

Broom Corn almost all the panicles are visible; from $\frac{1}{4}$ to the whole of the panicle, is visible. I think one half the panicles are not visible, entirely out of the sheath. Much of it in blossom, many parts of panicles are drooping, or hang down with a short or narrow arch at the top. Some of the lower leaves are yellow. The panicles not yet visible are on small stalks and not valuable.

Potatoes show more green than dry leaves.

Pumpkins. Some are ripe or yellow.

Tobacco is in blossom where left for seed

Weeds in Corn & Broom Corn

328 Foxtail *Setaria* is the most common; Ragweed *Panicum capillare*, or Tickle grass, and Heart-ease are plenty. Others are *Pieris*, *Carpet weed*, *Amaranthus*, *Sorrel* and *Wood Sorrel*, *Arum*, *Convolvulus*, *Clover*, *Carex*, *Horsetail*, *Canada Thistle*, *Pigweed* rare, *Low Malloes* rare, *Digitaria*, *Erigeron*, small *Johnswort*, *Oxeye Daisy*, *ocksfoot* *panicum* a little, *Wild Radish*, *Three seeded Mercury* a little, *Triticum* a little in N.Y.R.

Weeds on Rye Stubble.

328 Rabbit Foot Clover, Foxtail *Setaria*, and Ragweed are the most common. Sometimes R.F. Clover is No 1. and sometimes *Setaria* is No 1. Other weeds are Tickle grass, Heart-ease, small *Johnswort*, *Rattlebox* in B. Wigwam, *Horsetail*. Principally the three first named. Wheat stubble the same.

September 1851

Monday 1. Meadows.

Weeds on Oats Stubble. No Rabbit F. Clover in general. Ragweed, Wild Radish, Horsetail, sorrel, small *Johnswort*, Foxtail *Setaria*, and Canada Thistle.

Rattle Box is very plenty on rye stubble in Bark Wiggam - many pods & many yellow flowers. The pods snap! snap! under the feet like popguns, at every step.

Setaria viridis or Foxtail *Setaria* is the most common weed in the meadows. This annual barngrass is among corn and broomcorn; on rye, wheats & oats stubble; on most mowings in upper meadow & in O. Rainbow.

Grass in Old Rainbow?

I judge that not over one half of this would pay for mowing, if mowed now. A week or two may make considerable alteration. One piece of Rowen is mowed and in the cock at the east end of a lot. The grass is English, *Triticum*, Redtop and Thatch - but in the cock a large part of it seems to be English, or is fine.

Color of the meadow is generally green. Some strips or pieces mowed early are made reddish by heads of Thatch; and some wet spots, by *Panicum agrostoides*.

Andropogon or Thatch. These are everywhere higher than other grasses, except *Panicum virgatum*. When very plenty they are scattered, but where not so abundant, they grow in bunches and are prominent, being much taller than the grasses about them. They have put forth spikes or panicles in some lots mowed early, but in general not. The *A. nutans* & *furcatus* are in blossom. The *A. furcatus* is four times as plenty as the *A. nutans*, or perhaps five or six times. The *A. scoparius* is mostly on the higher land where it is more abundant than the others - is in bunches with narrow leaves.

Panicum Virgatum is about as tall as the *Andropogon* and is in bunches. Shows its long b. panicles. Not common except in spots where sand was washed on.

Calamagrostis is of considerable height. Not plenty.

Long leaf *Carex* in wet parts has long leaves.

Triticum on eastern side of the meadows is thick and of considerable height where it is in possession of the ground - will make a heavier sward perhaps than any other part of the meadow but where it is mingled with other grasses it is not conspicuous.

Redtop where the land is rich is thick and tall enough to mow, though not tall anywhere. Much of it however is short, and will not make much brown, without more growth.

Clover is seen where it was in the first crop; has heads & leaves, but is not prominent.

September 1857

Monday 1. Grass in Old Rainbow.

Poa pratensis or English. This is now more prominent than in the first crop; the leaves are visible, not being hidden by taller grasses as in the first crop. It is in most parts of the meadow is no. 2 as to quantity. It taller than reed top. It is thick & heavy on rich land, in spots, and will yield more or less where land is not so good, but much of it is too thin & short now to be worth mowing. It is a species of grass that is liable to be underrated as to quantity.

Panicum Agrostoides shows its reddish panicles in low places.

Poa hirsuta shows its purple panicles on the highest, poorest land.

Brakes are plenty in the lower places.

Horsetail seems not plenty now.

There is a second crop of Indian Hemp where it grew in first crop. No blossoms.

There are the same kinds of grass that were in first crop but in different proportions.

See Sept. 10
m. 16
204 I estimate the grasses in Old Rainbow, on the half that is worth mowing, if mowed now or soon as follows:—

Andropogon or Thatch	$\frac{11}{32}$
English or <i>P. pratensis</i>	$\frac{9}{32}$
<i>P. priticum</i> or Quack	$\frac{4}{32}$
Reed top	$\frac{4}{32}$
Clover	$\frac{4}{32}$

<i>Panicum</i> , <i>Aira</i> , <i>Calamagrostis</i>	$\frac{4}{32}$
<i>Carex</i> , <i>P. Canadensis</i> , <i>Pan. Agrostoides</i>	$\frac{3}{32}$
and others.	

The whole meadow included would vary then proportions some. There would be more of the grasses that grow on the high dry land - and proportionally less of the others. less *P. priticum*.

The Bur Grass grows on sandy spots. Bars do not yet adhere to garments.

Rowen on the Ploughed meadow is chiefly clover & herbs grass, sowed within one two or three years. The older pieces of grass composed of herbs grass, reed top, English, &c. will yield little or no grass worth mowing. Rich lands, however, will yield rowen as long as they continue rich. But grass lots in the ploughed meadow will not compare with home lots as to rowen. The low moist lots, ~~now~~ ploughed, in ploughed meadow, do not yield rowen, except long leaf *Carex* and *Panicum Agrostoides*. Many herbs on these moist lots, as horehound, small Johnswort, and wood sorrel.

The Wet Hollow, S.E. of Venturers' Field Road, is nearly all covered with the long leaf *Carex* except some recently turned over by the plough. The *Carex* in such places is rather tall or long leaved, but not thick, and as to quantity will not compare with the first crop.

A tall, slender, branched grass grows on bank of Bank wagon, next to Old Rainbow, with no panicle or other inflorescence. I noticed the same in Hookham meadow, near the Connecticut.

September 1851

Monday A.

Living Things in the Meadows.

Crows. Saw a large flock, say 50, and I noticed that they and others had done ~~and~~ were doing much damage to the corn. They seem to have begun upon it as soon as kernels were large enough to eat, and many ears are wholly or partly divested of corn. They pull down some ears and eat the corn on the ground; others they strip & eat on the stalks.

Hawks are about the meadow—probably after mice.

Mice in the ploughed meadow are more plenty than I have seen them before at this season of the year. Their holes & paths are abundant.

Grasshoppers are very plenty on the ploughed meadow grass lots, & on ears of corn eating the silk. They are much less numerous in old rainbow. They seem to be very fond of clover. They are mostly the red shanked species, from $\frac{3}{4}$ to $1\frac{1}{4}$ inch long, called locusts by Naturalists. Wings rather short. There are some of a long-winged species, $1\frac{1}{2}$ inch or more in length. There are many that are mostly green, different from the others, & smaller. These are grasshoppers of the Naturalists—seem to be *Orchelimum vulgare* of Harris—females have piercers. The locusts above have no piercers; they are more numerous by far than all other species of locusts & grasshoppers put together, in this vicinity—are the *Exerydium fennae-rubrum* of Harris, or his red legged locusts. Are abundant in various parts of the Union—Dr. Dwight says they love clover & corn silk. I think the yellow striped locust *Exerydium flavo-vittatum* is not uncommon here; called also grasshopper.

Spiders. I observed a few in the meadows of the species that makes an upright web. and stations itself in the centre, having no hole or hiding place. There were common at W. H. in my boyish days, but I rarely see one here.

Butterflies, yellow & others as usual.

Crickets. Their day noise is less regular and less loud than the night noise. Go where you will in the meadow, the noise seems some distance from you; and it is similar at night in the village, though now & then one is thrilling not far from you. I think the number heard at once is much less than people suppose. Three or four will make much noise. The night note is one sound a little lengthened; when there is a discord among them, the sound seems a double one. It is impossible to express the sound in letters. It seems to be kraik, kraik, or krair or kreer, or perhaps keirk, keirk, as put down last year. or kirk or keer.

September 1851.

Tuesday 2.

Wednesday 3.

Walked out to Greenville with Pen-
innah, P. M. and Mack.

Holice

Hills & mountains retain their full verdure,
all is green where there is a forest.

In fields & streets there is more change,
but not much.

A few hard red maples showed reddish
branches as early as Aug. 15. but I think
these were diseased or injured branches.
There has been some increase since, but
still trees with red branches are very
rare - most of them about the village.
I saw not one in the woods.

Sumacs. Some leaves began to turn red
and some yellow, about 10 or 12 days since.
Only a small portion of leaves are red yet, but
the red leaves increase daily.

Hazel bushes & These have changed part of
Panicum dogwood } Their leaves from green to purple.

Wild Cherry. Some leaves are becoming brown
or yellow.

Elm Trees. Many small branches of
some trees, or a few leaves in a spot, have
become brownish or yellowish. Some trees
have become of a brownish green.

Thursday 4. Mr. Cutler of Maine here, husband
of the late Zilpha Williams.

Friday 5.

Cuba. The late expedition to Cuba
seems to have proved entirely abortive,
and most or all of those engaged in it
have perished. Lopez, the leader, has been
executed. I dislike bloodshed, but I
am not sorry that these piratical inva-
ders have failed. The Cuban government
is a most detestable one, but I see no evidence
that those who live under it have knowledge
enough to appreciate or desire a better. There
are exceptions, of course. Our slaveholding want
Cuba to strengthen the slave power, and others
desire its annexation for other reasons. There
is a great noise among our patriots, because
the invaders have been put to death, or some of them.
They talk about liberty, but mean slavery.
yet it is not unlikely that the slave interest will
eventually obtain Cuba, but not at present.

September, 1857.

Saturday 6 Hadley Meadow.

I walked over to Hadley meadow P.M. and went up northerly and N. westerly to the north side, towards the N.W. corner, then crossed this meadow diagonally S.E. to Aqua Vitae meadow, which I entered opposite the rear of the Home lots; and walked down on north side of the swamp, nearly to Hitchcock's barn; then crossed the swamp on Hitchcock's bridge and went up the meadow in a zigzag course to the bridge, & came home.

The Crops in Hadley meadow are evidently as well taken care of, and as forward as those in Northampton Meadow. I think they are better managed than ours, and perhaps a little earlier.

Indian Corn. Very much of it is becoming hard; it seems more advanced than Northampton corn generally, like the north end of N.H. meadow. Much of the silk on the outskirts is eaten off by grasshoppers.

Broom Corn. More than half and less than two thirds of the panicles are free from the upper leaf; are out of the sheath entirely. The rest is partially in the sheath. Only a few small panicles, of little or no value, are yet hidden. Much of it shows yellow anthers. Parts of many panicles are bent and hang down near the stalk. Others are spread and the branches are drooping or inclining by the weight of the inflorescence. The crop will be less heavy than it is some years.

Potatoes have more green than dry leaves.

Pumpkins. Many are ripe, or yellow.

m. 16
204 } Rowen in Ploughed Meadow.

This is good on rich land, seeded down within three or four years. Some pieces are mostly clover; others mixed with herd grass; others a mixture of clover, herd grass, English and red top. A few sow red top. Several pieces have been mowed; others are now ready. More Rowen than in N.H. ploughed meadow. Many pieces will not yield rowen & many will.

Some land near the west side, which has not been ploughed for many years, if ever is mostly covered with *Andropogon*. Only *A. nutans* shows heads. A little *A. furcatus* on a border. *Setaria* is on much grass land.

September, 1857.

Saturday 6. Hadley Meadow

M. 18.328

Weeds in Corn and Broom corn.

Nearly the same as in Northampton.

Foxtail Setaria, Ragweed, Tickle Grass (Pan. capillare)
Purslane, Carpet weed, Horsetail, are the most
plenty. Next come Hogweed (Amaranthus) 2 sorts.
Convolvulus 2 sorts (wild morning glory is one) Carex,
Corn Sorrel (among the most plenty) a little Wood Sorrel,
Wild Radish (very common) Cocksfoot Panicum (barn grass),
Beggarticks (some among corn, but mostly on border),
Plucked Agrostis (same as Beggarticks), Milkweed rare,
Bigweeds are rare in corn, many on borders, Clover,
Heartsease (pretty common), Plantain in paths, not in corn,
Digitaria, the tall, and much of a small digitaria,
Giant Ambrosia, not in corn, but some on the edge,
Burg grass in S. part, near the Connecticut, on sandy land,
both in corn and grass.
Triticum by path - not noticed in corn.

M. 18.328

Weeds in Rye Stubble & Oats Stubble.

Rabbit Foot Clover is very rare. I saw some
in one piece only. Foxtail Setaria & Wild worm-
wood are the most common. In some pieces, little
else is seen but the Setaria. Much Horsetail in
some; considerable Sorrel; some Panicum (capillare,
Carex, Erigeron No. 5, Heartsease, Little bigweed,
Tickle Grass.

Where clover has taken well, it has kept out
almost all weeds. There are many such pieces,
but the Setaria is mingled with clover in almost all.

Several pieces of rye stubble and Setaria
and wild wormwood (Ragweed) are mown.
They carry the stubble & weeds to the barn and use
them for litter and manure. Stubble & Setaria yields
a considerable burden.

M. 18.328

Weeds in Mowing, in the Rowen.

Foxtail Setaria, Erigeron No. 5, Low digitaria
Small Johnswort a little, Lobelia in flower,
Purple Pogon hirsuta is on some lots. Burgrass is
on sandy lots in N.W. part of meadow. (Cocksfoot,
Some Tall Thistles on side of path. barn grass.)

Ploughing for Rye has commenced.
Living Things.

Common Grasshoppers about an inch long, are
very plenty in grass. They like clover & corn silks.
They are not yellow at all. Have reddish legs.

Large Green Grasshoppers. $1\frac{1}{2}$ inch long & more. } there are
Small Green do. $\frac{3}{4}$ inch. } many

Large Brown do. here & there one.

Yellow Butterflies. White Millers. Crickets.

Spiclers with webs nearly upright but a little inclined,
are plenty in 2d crop of Grass. Yellowish backs and
some yellow on lower side. They station themselves
in the centre of the web with the head down - and
when alarmed drop down or run away.

Mice. Their holes & doings are plenty. They are abundant.
Larks seen. Ravages of (rows not noticed in corn).

September 1857.

Saturday 6. Hadley Aquavita.

The Swamps.

When I saw it, there was much of a wide leaf like sweet flag, much arrowhead. The rushes and horsetail are brown & less conspicuous. On the north side of the swamp, and in hollows on the south side is an abundance of the long leaf Carex, in some places mingled with P. agrostoides. The Agrostoides is more plenty a little higher and braked, and apparently 2d crop of A.ira, some Leersia in swamp.

Mr. 16. 209. River in Aquavita.

Seen from the bank, the heads of Thatch make many places reddish-brown, the rest is chiefly green. Some reddish P. agrostoides, and other colors about the swamp.

Mowing has commenced. Some pieces of grass are in the barn and some in the cock.

I was surprised to find the grass so much taller and thicker than in Old Rainbow, 5 days ago. Almost all of Aquavita has grass that will be mowed. There may be some poor on the side next to river which I did not examine.

The hay in the cocks which I examined was all fine, except the Thatch, & that not very coarse except the stalks.

Triticum repens, where I saw it, was thick and heavy. mostly on S. side.

Andropogon or Thatch. This grass does not extend east much below the rear of house lots - at least is not plenty on eastern part of the meadow. where it begins, a little east of rear of house lots, and for some distance westward. it is A. furcatus chiefly; to this in going westward, the A. nutans succeeds and but little of the forked is seen, and the nutans continues up to the bridge or near it - but the forked appears with the nutans in the upper part. The A. Scoparius is mingled with the others on the higher, drier parts, & is most plenty on the upper part of the meadow - is much less showy than the others. These Thatch grasses are much less in bunches than in Old Rainbow, and have higher grasses than in O.R. mingled with them, much of Thatch in blossom.

Panicum virgatum is in bunches - much of it in N.W. part of meadow as before noticed. Has panicles.

Poa pratensis or English Spear Grass, has no spears now, but abundance of leaves. In some places makes a swath, but is generally mixed with others, viz with clover, Thatch, triticum, redtop.

Red Clover shows itself & has heads, dry or fresh, where it grew in first crop.

White Clover is where it grew in first crop & has extended itself, I think, is very thick in places, and forms a close mat with other grasses.

The Season.

MR. GERE: Much has been said about the backwardness of the present season. By comparing the blossoming of apple trees for fourteen years past, with that of the present season, it appears that vegetation in the last week in May, in three of those years, viz: 1838, 1841, and 1850, was a little more backward than in 1852; and in eleven years, more forward. Three of the 11 years, viz: 1843, 1847 and 1849, were very near the present year.

I will subjoin the time of the beginning of blossoming and that of the full blowth of apple trees, in this village, for 15 years:

	<i>Beginning.</i>	<i>In full blossom.</i>
1838	May 20.	May 27.
1839	" 6	" 16
1840	" 9	" 16
1841	" 21	" 28
1842	" 6	" 17
1843	" 15	" 22
1844	April 29	" 9
1845	May 5	" 14
1846	" 1	" 11
1847	" 15	" 23
1848	" 6	" 16
1849	" 16	" 24
1850	" 15	" 29
1851	" 10	" 18
1852	" 17	" 25

The time when apple trees begin to open their blossoms was formerly considered by farmers as the proper time to plant corn. This corresponds very nearly with the old saying of the Indians, that the time to plant corn was when the white oak trees have leaves as big as a mouse's ear. By comparing the apple and white oak trees, it will be found that the first blossoms of the former, and the mouse-ear leaves of the latter, appear about the same time.

SYLVESTER JUDD.

NOT

VOL. XXIII.—NO. 23.

PUBLISHED EVERY TUESDAY AFTERNOON, BY
HENRY S. GERR.

*Office in Whitney's Building, between the Old Church
and the Court House.*

TERMS—\$2 per annum, if not paid till the close of
the year; if paid in advance, a reasonable deduction
made.

ADVERTISEMENTS inserted at the rate of \$1 per
column (10 lines) for the first week; for each subsequent
insertion 1/2 cent. A reasonable discount made to
regular advertisers.

COMMUNICATIONS to receive attention must be
sent paid.

THE PAPER will be discontinued until all arrearages
are paid.

JOB, CARD, AND FANCY
PRINTING,
Of Every Description.

September 1851.

Saturday 6. Hailley Aquavita.

Redtop can hardly be distinguished from others but I judge there is considerable of it where it was in first crop.

Hardgrass, on some of the ridges & hollows, shows its heads, though not thick, yet more than in first-crop. Does not add very much to rowen.

Burgcross is on the sandy land near the bridge. The cuts begin to adhere to garments.

On the upper (western) half of the meadow, one half the grass seems to be Thatch—but in reality is not so great a proportion, probably.

There are all kinds of grasses now that are in first crop, and in places considerable Foxtail *Setaria*.

My estimate of the grasses in the Rowen.

Andropogon 3 species. H. 32d parts.

Poa Pratensis, a English 8 — " " (or $\frac{9}{32}$)

Panicum Repens. 5 — " "

Glover, red & white, 3 — " "

Redtop. 3 — " "

Panicum Virgatum, *Calamagrostis* } 2 " "

Carex, *Circa*, *P. agrostoides*, } 2 " "

Watu Poas & other grasses. 32

This is only an uncertain estimate, but as good as I have the means of making. The short grasses that are high enough to mow, especially the English, may be underrated. Thatch is showy stuff & may be over rated. In examining the sown with grass, much the greater part seems to be fine. There is much English in it. There is some *Poa hirsuta* on the dry part of the meadow.

A piece of *Q. acres* in *Aquavita* has lately been sold at 210 dollars an acre, swamp at it and included. Gile, Smith was gathering rowen on a piece of upland meadow near *Aquavita* for which he paid 180 dollars.

Sunday 7. Mr Swift A.M. Mr. Smith (son in law of Mr. Stoddard) in afternoon. He read a letter from Mr. Swift requesting a dismission, on account of long continued feeble health. Cannot perform the duties of this great parish, he says.

Northern Lights are visible to night, streaming upwards. Were seen some evenings last week.

Monday 8.

Tuesday 9.

Rare ripe or early peaches are now fully ripe in the village and many are gone.

Plums of several kinds are quite ripe & many gone.

Camson Plums begin to be ripe

Blackberries (tall bushes) are offered at 6 cents a quart.

Kataclids are plenty on Elm trees in Pleasant Street but none in Hawley Street.

Chimney Swallows. I have not seen these since the 4th or 5th Sept. I suppose they left last week.

September 1851

Wednesday 10.

Misc. 18/328 Weeds in our Garden, including the lower garden, which is rather wet.

Panicum capillare: Ragweed or wild wormwood
Digitaria or finger grass: *Chenopodiums* or pigweeds, 2 spec.
Amaranthus, 2 or 3 spec.; Barn Grass, or *Panicum Gms. galli*
Poa annua, still in flower: Do do, or *Setaria Viridis*
 Stingless nettle. Three Seed Mercury
 Heartsease. Clover. Chickweed, 2 sorts
 Purslane, Wood Sorrel. Nigella, *Carex*.
 Shepherds Purse - has radical leaves for next year.

Others, chiefly on grassy sward borders.
 Plantain, Dock, Nettle, stinging, Honeysuckle,
 Branched *Agrostis* with abundance of panicles, delicate
 Beggar Ticks. - Toadflax near earver.
Erigeron No 5. - Field Horsetail, lower side
Polygonum Virginianum: Arsmart, Scratch grass,
 Burdock - Hedge Mustard: *Panicum repens*.
 Snow Thistle - Radical leaves of Dandelion and Barberry.
 Milkweed.

Meadows

In the afternoon I walked down to Old Rainbow and through that meadow and below or in Bark Wigwam, and through Middle Meadow to Hockanum Ferry. Crossed and ascended Mount Holyoke. Came back + walked almost to west end of Middle Meadow + back to the Hockanum road and home.

Grass in Old Rainbow.

All kinds have grown some since Sept. but Thatch more than others. That seems less affected by dry weather than other kinds. Three or four pieces have been mowed - perhaps more. The hay in cocks and on a load showed a large share of Thatch. I think there is not much of the meadow (except the *Panicum* or eastern part) that would be worth mowing if the thatch was gone. Some English however would make a swath, but much of this is thin or short or both, but there is a good deal in all Redtop seems not to have gained much. There is clover where it was in first crop + other species. Oranges seem to extend over much ground with thatch, &c. Much of the meadow will yield a rather light crop, more or less will not be mowed. The whole of Old Rainbow is not so good as the whole of Aquavita, as to mowing.

I shall attach the estimate of Sept. 1.

Misc. 16.204 } Thatch say $\frac{12}{32}$ 12 perhaps this should be $\frac{13}{32}$ and English *Poa* $\frac{32}{32}$ 9 the two halves below be erased.
Panicum $\frac{4}{32}$ 4 A. Scaparing has increased
 Redtop $\frac{32}{32}$ 3 much in tops since Sept. 1.
 Clover $\frac{12}{32}$ 1 1/2 Spot of it are brownish at some distance. More a mutans
 Other kinds $\frac{22}{32}$ 2 1/2 than Sept. 1. Pan. virg. as before
 32 32
 32

September 1851.

Wednesday 10.

Grass in Middle Meadow, East Port.

At upper end, almost all English & Thatch.
Some triticum, redtop, carex.

Lower, & down to Ferry Road. Thatch
and English Poa are the principal. Some
will be mowed a second time (one piece has been)
and some not. Thatch mostly nutans & scoparius,
that has heads. Little poa hirsuta.

The Berry Grass is found in various
sandy places, near the Connecticut, from Old
Rainbow to Manham Meadow, & begins
to adhere to garments. A great deal of it in
a piece ploughed & planted, & not taken care
of, in the upper part of Middle Meadow. Some
right shade in this corn, & Thatch 4 feet high.
This *Corynephorus tribuloides* is plenty in
the vicinity of Hockanum ferry.

Middle Meadow west or below the
Ferry Road. Some of the Triticum is
mowed. I did not examine the eastern
side, or Triticum side.

Andropogon or Thatch is the most
plenty of any on the western & northern
part. Nutans & Scoparius show many
more heads than furcatus. Nutans is the most
plenty. Some Panicum Virgatum with panicles.
Brake accompany the Thatch on all the
moistering grounds, as in Old Rainbow.

English or Poa pratensis is the most plenty
in the middle & higher parts of the meadows
between the Triticum S. and Thatch N.W.
and is mingled with others, elsewhere.

Clover is where it was in first crop.

Redtop is where it was, but not conspicuous.

In the swamps & low ground, under M. M. Hill
where not too wet, long leaf carex and
Panicum agrostoides are plenty.

I estimate Middle Meadow Rowen as
follows:—

Misc (6204)	Andropogon 3 species	11	32d parts
	English & Poa	7	if all is mowed.
	Triticum	7	or more. did not see it.
	Redtop	3	or less.
	Clovers	1	Some Scleria
	Other grasses	3	seen and over this meadow.
		32	

Ploughed Meadow.

Not much Rowen, except on lots recently laid
down in good order. Not so good as Hadley ploughed
meadow. Much land here is let out. In Hadley
it is cultivated by the owners.

Rabbit Foot Clover grows on Oats stubble, but
is the most plentiful & plenty on rye stubble. Some
pieces of stubble have much clover. One piece of
oats stubble had Clover, Scleria, Ragweed, Sorrel, Heartail,
Rabbit foot, Heartease, Wild Radish, Horsehound, Canada Thistle,
Rattle box, small Johnswort, Carex, Dewberry.

September 1851.

Wednesday 10.

Crops seen today, in S. part of N. Meadow.

Indian Corn is most of it becoming too hard for roast ears; much of it is glazed or become yellow on part of the ear. Very little of it is soft enough for roasting. Some dry husks, about as last year, at this time. Some ripe ears.

Broom Corn. The panicles & some pieces are nearly all free from the upper leaf or sheath; of some pieces $\frac{3}{4}$ are free; of others $\frac{2}{3}$. In young Rainbow & in some other pieces at least $\frac{1}{3}$ of panicles are not fully out. Much of the broom corn is in blossom; much is beyond that state, & some has not reached it.

The Corn & Broom corn on the lower part of Hockanum Road is better than an average of the meadow.

Mount Holyoke

Prospect some obscured by smoke.

Appearance of N. H. Meadow from the Summit.

Old Rainbow & Middle Meadows very green. The higher snowings not so green.

Broom corn has a greenish & reddish brown appearance - from the leaves and panicles.

Indian Corn has no reddish, but is brownish green; from panicles & leaves.

Stubble pieces show brown stubble and brown Rabbit foot clover, and green weeds. The *Silene* is a little yellowish from the spikes.

Crops in Hadley are similar. Stubble on the plains is more brown, there being fewer weeds.

Flowers on Holyoke, on or near the Summit

Golden Rods plenty. more beautiful than those on low lands. They are often found in thin woods elsewhere.

Starflowers, 2 kinds, cordate leaves, ovate, one with white flowers, and one pale blue, are plenty about the summit. Species that grow in woods. Also some of a blue species. Great plenty of these, and possibly some kindred flowers.

White Golden Rods. Flowers have turned brown fall. *Eriogonum* or *Scalish*; - *Stemiflorous* wild Catmint; - Common *Lobelia* near top. *Eriogonum* No 5. Gone to seed.

Andropogon scoparius shows its head on the rocks. Weeds of several sorts on or near the top.

(Pigweed (*G. hybridum*) & Fireweed are by path a little S. of summit)

On lower part of the Mountain by the path are the blue starflowers, like those towards Bensonville Golden Rods, *Pentstemon*, *Corewort* *Gerardia* (Fireweeds, one 7 feet high, *Minutaria*) very plenty - or Oakleaf *Gerardia* *Solidago* White Aster or *Sorocarpus*. I did not distinguish which Sunflower. - Weeds of many kinds are by mountain path.

September 1851

Wednesday 10.

Color of Foliage.

The foliage on the front of the mountain is all green, when seen from N.H. meadow. On the top of the Holyoke House, I could see all the lea^{ks}ide of Holyoke range to Belchertown, and this was all green, though there are varieties of green, more than there have been.

I observed however that the Ampelopsis in the woods was much of it turned red; that some small birches on the lower part of the mountain had some yellow leaves; & some birches on the rocks, near the S. end of mountain seemed to be partly yellow. A few branches of hard maple near edge of woods are reddish. Some leaves on ~~saw~~ shrubs & small trees in the woods, ^{especially birches} have begun to be yellow. But in general, all is green. A few yellow leaves on the brow or just below.

Some yellowish leaves on butternut trees.

Live Things

Crows abundant in the meadow. I saw a man who had shot two. He professed to ~~be~~ able to call flocks around him by making an owl's noise, squirmles. The same man had one Gray Squirrel which he had shot on the side of the mountain.

He says there are some grey ones, but no black ones.

Katydids. I heard them on the trees by the Connecticut below Hockanum Ferry, after sunset.

Crickets. I heard some isolated ones in the meadow but no regular noises - nothing to attract the attention, until I came near Mill River and houses. The noises were then all forward of me; none in the rear, or in the meadows. Are they about water, or about fruit trees, or why are they so prominent in the village & on its outskirts.

Mice. Their holes & paths, I notice, as heretofore.

Woodchuck Holes are plenty in some parts of the meadow as on the high bank of Clark wigwam & other banks. Of the inhabitants of these holes, I know nothing.

Crickets, cease their regular noise soon after day break. *Spent my observation.*

Ploughing for Rye has commenced in N.H. meadow, and I saw one piece harrowed & sowed, I presume.

Rattibox is more plenty than I had supposed, in the meadow. I have found it in stubble in Clark wigwam, & elsewhere; & I found it to day in a mowing in bloughed meadow.

Moss on Rees. I examined trees on side of Holyoke & did not perceive that moss had gathered much more on one side than another. Chesnuts may have more on the N.W. side, but the difference is not very much. Oaks & Birches seemed to have about the same on all sides.

Tobacco. Some are cutting this, the present week, the latter part of the week.

Corn. People will begin to cut up corn & put it in bunches, next week, in order to sow, to keep it from frost, &c.

September 1851

Thursday 11.

Friday 12.

Dr. Sylvester Graham was buried this P.M.
He died yesterday morning, aged 57. He has been in
bad state of mind & body for some months.

He was a man of talents, & capable of deep research
but he was dogmatic & self-conceited, & disliked
his manner. I believe his system of dietetics
has done much good, though carried to an
extreme.

Saturday 13.

Flowers.

Garden & Wild Flowers do not differ
much from last year. See Sept. 14. 1850.

The garden flowers there named are many of them
waning & declining & of no beauty. Of those bright
and fresh are Asters, Marigolds, Zinnias, Pinks,
Prunella, &c. Snapdragons are plenty but are
passed their full glory. Portulacaeas are still bright.
Some annuals are fresh. Japan Lily flowers are
almost gone - a few remain.

Sunday 14. Mr. Stone of E. Hampton preached.
I attended A.M. but not P.M.

After a week of hot, summer weather, it
has become cool today at 1 P.M. 58 degrees cooler
than yesterday.

Monday 15.

There appears to be a severe Frost, which
has come early.

I am preparing to go to Lunenburg today
by the Fitchburg railroad, to spend a week
or two with Mr. Savage. Set out at 9 A.M.

Oct 4. I returned to Northampton. I was
taken sick with the bilious diarrhoea the next
day after I reached Lunenburg, and was not
able to come home until today. Parkman
came up to see me Sept 22, & went back to Reading the 24th.
Perrin came to take care of me Sept 23, and
came home with me. Doct. Boutell of Fitchburg
visited me eight times. I did not suffer much
pain, and was in very comfortable quarters. Mr.
Savage & family being very kind.

Expenses.

Myself hence to Fitchburg, Lunenburg & back.	\$2.38
Perrin & family hence to Fitchburg, &c.	2.23
Our return to Greenfield & N.H.	4.45
Paid Doct. Boutell	9.75
P. Chamberlain aid	1.00

19.81

Sam Parkman for expense in visiting me at Lunenburg 3.00

October 1851.

Money Matters. (see June 1.

Receipts.

On hand, Sept 15. (under June 1)	\$37.05
Received of Sixth Hooker for money lent	15.00
Sent by son J. Walker Sept. 15.	10.00
	\$52.05
Oct. 4. 1851. Remains on hand (balance)	29.24
Dividend on 15 shares. Greenfield Bank	60.00
Do on 10 shares N.H. Bank.	45.00
Dec 3 Rec ^d for 4 stamps - 12 for services 50 ^c .	0.62
	\$134.86

Expenditures.

Expenses connected with my visit to Lunenburg and my sickness, on preceding page.	19.81
Calico, shoes, fox-plums &c by one Pin came to Lunenburg.	2.65
Lamb. 35. On hand Oct. 4. 1851.	29.24
	29.59
Oct. 7. Butter 10 ^c . Beef 23 ^c . potatoes 13 ^c . Brandy & bottle 38 ^c	52.05
7 Cheese 9 ^c . Post Office box & Evangelist 22 ^c	1.25
7 Stoddard & Co. thtgs bill for 6 months past	4.22
7 Sent to C. Parkman \$5 (2 talent me & 3 ^d in rail road fare to & from Lunenburg)	3.00
9 Envelopes 10 ^c . 5 lbs beef 40 ^c . 10 ¹ / ₂ lbs Lard 1.28. Saucepan 83	2.61
11 Calico 80 ^c . Postage 5. Fish skin 6 ^c . Coffee 14	-1.05
15. Paid Bless for labor 50 ^c . 8 ¹ / ₂ lbs Beef 60 ^c . Cheese 19	1.29
18 20 letter stamps 60 ^c . Paper 1.05. Godfins 33 ^c	1.98
22 Shoes &c for wife \$1.56. S. Potatoes 10 ^c . postage 5.	1.41
" 32 ³ / ₄ yds Cotton 27 ¹ / ₂ cts. \$2.37. moving stove 15 ^c	2.52
" 7 yds Delaine for gown for me 1.17. Apple 6 ^c	1.23
24 Cheese 25 ^c . wheat 10 ^c . Potatoes 11. Butter 27.40 ^c	0.86
27 Postage 10 ^c . Wheat flour had some days ago of McIntire 60.1.74.	
28 Soap powder 13 ^c . Graham flour 27 ^c . Mending shoes &c 10 ^c	0.30
29 Sawing & splitting wood 84 ^c . Saw at Potatoes, 11	0.95
Nov 6. 8 ¹ / ₂ lbs young beef 42 ^c . Pumpkin 22 ^c do 1.00.	1.64
7 Horse & carriage twice to Bensonville 1.00.	1.00
13 Ink & quills 37 ^c . Cheese 19. Buckwheat 25	0.81
14 Paid Strong \$2. for horse & carriage at funeral of grandson, 10 ¹ / ₂ in not	2.00
Lent brother Johnson, Nov. 11.	20.00
Things omitted 46 ^c . Butter 5 ¹ / ₂ lbs. 1.05. Cheese 19	1.70
20 Tribune 3 ^c . Flybox Rainier 67 ^c . Salt Exeter 8 ^c	0.75
24 Lemmons 6. Meph. fork 67 ^c . Sent 11 ^c . crackers 8	0.92
24 6 Hovels 13 ¹ / ₂ lbs 10 ^c . 1.55. 16 lb Flour best 6.25. 7.80.	
24 Paid Coats for Sawing wood, &c 83 ^c . 24 ^c	1.14
	62.62
Dec. Tribune 3 ^c . Syringe 13 ^c . Silk at Silk Factory \$50. 5.66	
3 Lent to Frances, daughter in law, 10.00	10.00
6. 1 G. Mollus 44 ^c . Washing powder 13. Express office 50.	1.03
8. Paid C. Clark for Little Halls Grave &c.	1.50
10 Pumpkin 41.00. Beef & sausage 65. Cheese 19 ^c . Pork 16 ^c	2.00
23. Graham flour 33. Buckwheat flour 25. Beef 37.	0.95
23 Knapsack, cutting my gown 50 ^c . mending Tin &c 15 ^c	0.65
30 Butter 1 ¹ / ₂ lbs 27 ^c . Lard 5 ¹ / ₂ lbs 12 ¹ / ₂ cts. 69 ^c	0.96
30 money to brother at Lunenburg	10.00
1852 Tribune, Yeast, &c 19 ^c	0.19
Jan. 1. balance to new account	44.30
	\$134.86

October 1851

Thermometer.

Oct. 1. 2. 3. 4.

Sunday 5. ^{Sunrise.} 42. 1 P.M. 59. 9 P.M. 54.

6. 37. 61. 48.

7. 35. 66. 50.

8. 40. 76. 55.

9. 45. 76. 58.

10. 48. 75. 59.

11. 54. 74. 58.

Sunday 12. 55. 71. 64.

13. 66. 72. 58.

14. 48. 65. 49.

15. 47. 60. 45.

16. 38. 56. 36.

17. 31. 57. 45.

18. 32. 61. 36.

Sunday 19. 50. 50. 50.

20. 47. 65. 53.

21. 48. 71. 61.

22. 49. 56. 48.

23. 35. 52. 40.

24. 36. 56. 48.

25. 47. 60. 50.

Sunday 26. 44. 49. 42.

27. 33. 43. 32.

28. 32. 58. 48.

29. 38. 62. 59.

30. 61. 64. 63.

31. 53. 59. 44.

1191. 1674 1373

Cloudy.

Fair

Fair S.E.

Fair & warm. S.E.

Fair & warm. S.E.

Fair & warm. S.

Heavy with Sunshine S.E.

Mostly Cloudy. N.E. S.E.

Rain in night

Heavy Showers A.M. Cloudy P.M. S.

Mostly Cloudy S.W.

Fair N.W.

Fair N.W.

Fair

2/3 Fair N.E.

Rainy night

Heavy Showers A.M. Cloudy P.M.

Mostly Fair. S.W.

Cloudy S.

Rain in night

Cloudy S.

Mostly Clear N.W.

Mostly Clear S.W.

Mostly Cloudy S.W.

Cloudy, some rain E. N.E.

Rain & snow in night. N.W.

Mostly Clear S.W.

Mostly Cloudy S.W.

Heavy day. Rainy night. S.

Rainy & windy S.W.

1/2 Fair.

Temperature of 27 days.

At sunrise 44 ³/₂₇

At 1 P.M. 62

At 9 P.M. 50 ²³/₂₇

Average 52 ²⁶/₈₁.

A mild October - more so than usual. Not much frost. Milder than last year. Considerable rain.

October 1851

Sunday 5

I am again at home. We did not attend meeting. I find that Mr Swift is dismissed, at his request. Both Congregational churches are vacant.

Son J. Walker made a visit here in my absence - from Sept. 26 to Sept. 30.

Monday 6.

I walked to the centre, to the Reading Room, &c.

Tuesday 7.

Crickets make their accustomed noise every evening - perhaps not quite as loud as they were a few weeks since.

Katadids I presume, continue. I have not been out in the evening to observe.

Flies are very rare in the house here; were very plenty at Lunenburg. Horseflies seem to bite hard. Mosquitoes have not troubled us in the house this season.

Cricket sound. One heard in the day time, under the woodhouse, seemed to sound, keerk, keerk. Not very different from Creak Creak.

Mr Charles Rust of Syracuse & Mr Luther Clark of (near) Skaneateles, called here - old acquaintances.

Wednesday 8. Cattle Show - Several relatives called here. Sister Lyman & her daughter here at dinner.

Thursday 9. 2d Day's Show. Niece Theresa & nephew, (offspring of Whirl & Celia A. Wright, daughter of Horace Wright) here at dinner. Several others called. I did not examine any part of the show.

Friday 10.

Notice in the Village.

Common Elm - some are almost all green; some have lost most of their leaves; but in general they have leaves that are brown, yellowish, & other dull shades, mingled with green, constantly falling. All beauty is gone.

Butternut. Leaves are almost all fallen.

Ash. Many are purplish, top & outside, and green and yellowish within. Some show little or no purple.

Red Maple. These are of various hues, reddish, or red, yellow, orange, brownish, &c. are fading, and many leaves fallen. Some are in leaves.

Sugar maple. Have more brilliant colors than red maple and more green are less advanced. Some are almost all green; some have shed their top leaves & some lower ones. Many have more or less of that bright purple - a transition here, turning from red to yellow or orange. Leaves falling fast.

Button Wood many leaves have turned brownish and fallen; and the leaves on the trees are many of them brown or greenish brown.

October 1851. Friday 10.

Foliage in the Village - cont.

Tulip Tree. This, different from most others, is brownish in the lower part, yellowish in the middle, and green at the top; and looks finely. Most trees have the most decayed leaves at the top, the yellow & orange lower down (& maples have red lower) and green or greenish on lower limbs and in the interior.

American Bass. Have but few leaves left: those brown, greenish, &c.

Horse Chestnut. Trees various - some almost bare, others with many faded leaves, & some with much green.

Eleditrichia locust - leaves have turned yellowish. Common Locust - leaves greenish, & yellowish.

Ampelopsis, about houses, is of a brilliant red.

Weeping Willow - green & no change.

Lilac leaves quite green.

Ailanthus leaves turning yellowish.

Silver Poplar leaves mostly green.

Fruit Trees.

Apple Trees - generally green - some trees have faded, falling leaves.

Peach Trees - mostly green, but many faded and falling leaves.

Pear Trees - leaves falling. mostly green. one tree has purple leaves like an ash.

Pum. leaves green, but falling.

English Cherry - leaves generally green. Some fading.

Apricot - leaves mostly green.

Quince leaves mostly green.

Saturday 11.

Sunday 12. I did not go to Meeting. Mr. Allen preached.

Monday 13. Rain A.M.

Tuesday 14.

Crops.

Indian Corn, Industand, was generally cut up & put in bunches, soon after the frost of Sept 15. There is a great deal of sound corn, but more poor corn or pig corn than usual. The frost was too early.

Broom Corn was tilled, dried & cut soon after the frost. The forward corn is not injured, and has ripe seed, but the late or backward corn has little or no seed and the brush will be light or less heavy than it would have been; had the frost come later. There must be a good deal of this sort.

Potatoes come in better than was expected. Only a small part are as yet injured by disease. Tobacco was much hurt by the frost.

October 1851.

Wednesday 15.

Foliage of the Mountains.

Mounts Form & Holyoke show no bright colors of red or yellow, and not much deep green. The redder colors are maples near the cleared land. Some faded, dirty yellow, but nothing bright. Some Oaks, (red, I judge) a quite green, but other oaks are apparently faded green, brown & reddish brown. Beauty is gone; there are faded colors in abundance, dull and unsightly. The birches have evidently shed their leaves, and the butternuts, ashes, and more or less of the chestnut. The chestnut region discloses boughs and branches, with some brown, yellowish brown and greenish leaves. — The Evergreens are becoming quite distinct. — all seen from Fort Hill.

Fort Hill. I examined this P.M.

Red Oaks have a large portion of green leaves, with some brown and reddish brown.

White Oaks. Have green leaves & brown & dull red.

Chestnut. Many have lost their leaves; others have some brown, greenish &c. leaves. Burs have mostly fallen & some chestnuts on the ground. They are not plenty this season.

Maples. Red & some sugar maples have lost their leaves. The tall maples on S. Fort Hill have most of leaves green & dry yet. Some changed.

Bass. Some trees almost bare; others with green and yellowish leaves.

Poplars, White & great toothed. Many leaves fallen. Those remaining are green & dirty yellow.

Ash } The leaves are almost all fallen,
Birch } including black, yellow & ~~reddish~~ leaf barks,
Butternut } Spice Bush has no leaves.

Beech. Leaves are brown, hazel color, dirty yellow and green. Many fallen. They are brownest at the top & greenest on the lower limbs.

Hornbeam — about as beech.

Brown wood — leaves many fallen. Remaining yellowish and greenish.

Alternate leaf Dogwood. Leaves reddish & green.

Striped Maple at West. Leaves almost all fallen.

Ailanthus at do. Leaves fallen.

Shagbarks in meadow. Leaves orange color, greenish & brownish. Beauty gone.

Pignuts. Leaves orange, green, brown — not very different from Shagbarks, but more green.

Witch Hazel at West has yellow blossoms & pale yellow leaves. Many leaves fallen.

Silver Poplars at do — mostly green — some yellow.

Sassafras — leaves greenish, yellowish & reddish.

Bladder nut — most leaves fallen. Those left are greenish. Rattling bladder are plenty.

Hackmatack — mostly green; some yellowish brown.

Mountain Ash. Many leaves fallen. Those remaining are mostly green.

Judas Tree at West. Leaves green & yellowish.

White Pine, at West have shed almost all their brown leaves which grew last year. The ground is covered.

Weeping Willow — generally green — some yellowish leaves.
Yellow Willow. Leaves a faded green.

Many leaves have fallen since the 10th from most trees.

October 1857.

Thursday 16. Foliage.

Round Hill Woods.

At some distance, the foliage on this hill is similar to that of the mountains - brown, faded yellow, & green, dull or brownish red, &c. Some Oaks have a brighter green.

On visiting the Hill & finding the leaves on the ground to a considerable depth mostly dead - but some oak, maple, &c.

Chestnuts - many are bare, or the upper parts bare; some brown, and greenish leaves remain.

Oaks. The scarlet Oaks have some red leaves, but most of oaks have green, & brown, & brownish red leaves.

White Oaks. Some have only brown leaves.

Pignuts. Leaves are brown & orange - very few green.

Other parts of Village.

Flowering Dogwood - leaves reddish - some quite red.

Smoke Tree - Leaves green & some yellow.

Hawthorn & Leaves generally green. Some are changing.

Buckthorn }
English Elm. Leaves remain - most are green - some are yellow.

English Linden. Many green leaves remain. Some have fallen. A few are faded.

English Oaks at Brights. Leaves generally quite green - a few are yellowish.

Acorns on the trees are on peduncles from $\frac{1}{2}$ inch to 3 inches in length or more. Many about 1 inch and 2 inches. Cups rather shallow - do not cover $\frac{1}{4}$ of the acorn in general. Acorns are from 1 inch to $1\frac{1}{4}$ inch long - some quite small in diameter, or not over $\frac{3}{8}$ or $\frac{1}{2}$ inch; others are much larger, near $\frac{3}{4}$ inch. Many fallen.

On the tree in Mr. Joy's lot, the cups are much larger covering near $\frac{1}{2}$ of the acorn. Peduncles from 1 to 2 inches in length. The acorns are stouter than those at Brights, being about an inch long and $\frac{7}{8}$ to $\frac{3}{4}$ inch thick. - Many fallen.

Maples in the village are in every state from bare limbs to leaves mostly green, and then are some handsome reddish colors, though less brilliant than they have been. There are various shades of red, yellow & green. Many tops bare with leaves below. Sugar maple has more leaves than red maple. Many leaves on the ground.

Tulip Trees - leaves mostly yellow or orange, a few green at the top, & brown at the bottom.

At the end of the branches, is the green bud which contains the germs of the flowers and leaves of next year.

These buds continued to develop leaves last season until some time in July, each leaf in a separate wrapper. When there was a flower bud there were only 4 or 5 leaves; when the flower bud the general envelope enclosed 5, 6, 7, 8, 9, or 10 leaves & each in an envelope of its own.

See also Aug 16
See Aug 24
See Aug 11
Aug 20

October 1851

Thursday 16. Foliage in village.

Catalpa trees have green leaves, except those made black by frost.

Trumpet Honey Suckle. Has quite yellowish leaves.

Trumpet Flower. Leaves remain green.

Privet or Prunella. Leaves quite green.

Syringa & Retain many green leaves.
Rose Bushes

Sumacs in the village are of a fine red. Some leaves are fallen.

Amelopsis. Red leaves have fallen. Berries remain.

Currant leaves, mostly fallen. Those remaining are green.

Butternuts, Ash & many Elms are bare.

Corn. Elms. Most have some leaves - some have many, faded & discolored. Some green.

Fruit Trees - generally have green leaves, except those which turn yellow, reddish & brown, soon fall - Plum & Pear trees have but few leaves and many of those not green.

Fruits.

Apples are not plenty - Winter Apples will be rather high & poor.

Peaches, have generally borne well in this vicinity - not all gone yet.

Quinces seem plenty on the bushes.

Chesnuts are not plenty - a light crop.

Walnuts

Pumpkins - many ripe before frost came, many injured by frost.

Potatoes, more good ones than for some years past.

Gardens yielded about as well as usual.

Seen from Round Hill.

The Eastern Hills, Mount Warner, Roberts Hills, and other Hills around, resemble Mount Holyoke - have no brilliant colors, but dull or dirty yellow, red & green, brown & several hues, - some brighter green. Many leaves have fallen evidently.

In the valleys of this town & Hadley (not the meadows) there is more red from the maples, chiefly red maples - not on inundated land, but in lowlands and swamps. - Evergreens are conspicuous on low & highlands (not on intervals).

Indian Corn in the meadows is generally in bunches, & not yet carted.

Broom corn is all housed, but the long Tables remain distinct in the meadows.

Hornedots are quite green, & so are portions of the meadows. Frost has not hurt grass much. Foliage not very different from last year at this time. I think there were more leaves on the trees last year than now.

October 1851

Friday 17

Saturday 18.

Garden Flowers. A few are still seen as,
Wall Phlox, Larkspurs, Hollyhocks, Petunias,
Creeper, Sweet Peas, Asters, &c
Wild Flowers. Golden Rods and Star flowers
are still seen. Hedge mustard continues to blossom.
Some others.

I went out to see Frances & the children
P.M. The little boy is comfortable, but badly diseased.
Frances lives in her own house, with father
Birge's family. The removed about the first of Oct.

Trees.

Roberts Hill appears much like Mount Holyoke
as to colors. Perhaps more reddish from oaks.

On Lower Lands, Oaks make some show.

White Oaks are some brown, some a dull red.

Scarlet Oaks are more or less red, but none are
a bright scarlet.

Red Oaks are partly green & partly brown
and reddish brown. Not much red to them.

Maples are in all stages and of all colors, from
bare limbs to green leaves. A great variety
of hues.

Hackmatacks are becoming of a dirty yellow.

Witch Hazel is full of yellow flowers, & some
bushes have brown or yellow leaves.

White Pines have shed almost all of their brown
leaves, & the ground is covered.

Yellow Pines are not so forward. There are
many brown leaves on the trees & not a few
on the ground.

Catkins of Hazel are plenty. $\frac{1}{2}$ of an inch long and $\frac{3}{4}$ - brown.

Catkins of Alder are plenty - $\frac{3}{4}$ of an inch, reddish.

These and other Catkins will develop themselves
early in the spring.

Cherries have generally fallen. Not plenty.

Acorns. Many have fallen - not all.

Prinos bushes are fully red berries.

Uelastus Scandens shows yellow berries.

Living Things

Blue Jays, I hear

Robins. I see

Small birds of two or three kinds, from the North are here

Yellow Butterflies

Grasshoppers & Crickets } are by road side -

Chickadees are plenty.

October 1851

Sunday 19. Rainy. I staid at home.

Monday 20.

Tuesday 21.

Wednesday 22

Thursday 23

Friday 24

Crickets continue their evening noise, but it has become rather faint.

Stove moved in to-day.

Frances & Children came in to-day.

I am lame of one foot. Sore between 2 toes.

Saturday 25.

Sunday 26. I did not attend meeting.

Had a spell of vomiting in the night - cured by, I know not what.

Monday 27.

Ground mostly covered with snow this morning.

Samuel Edwards sent to-day

2 bushels Greening Apples. 1.50

1 " Russet do. 75

1 " Seek no further do. 70

1/2 " Baldwin do. 40

1/2 " Fall apples. 45

1/4 " Sweet do. 19

5/4 " 40

1 bushel Potatoes. 1/2 bushel Turnips. 1 peck Quinces 12 1/2

(Brother Samuel Hall here this evening) 40

[1 bushel Potatoes more Jan 21. 1852. Samuel Edwards]

I lent him
Davidson's Virgil
Duncan's Cicero
Caesar.

Tuesday 28.

Niece Clarissa Bisbee here 2 M. & at night.

Wednesday 29.

Thursday 30

Friday 31.

Frances & children went home today.

November 1851.

Thermometer.

Sunrise, 12 M., 9 P.M.

Saturday 1.	42.	54.	42.	Fair & pleasant.	N.W. N.E.
Sunday 2.	42.	53.	49.	Rainy	N.E. S.
3.	42.	49.	42.	Cloudy	N.W.
4.	36.	40.	34.	Mostly Fair	N.W.
5.	32.	38.	34.	Mostly Fair	N.W.
6.	23.	42.	32.	Fair	N.W.
7.	26.	42.	29.	Fair & pleasant	N.W.
8.	24.	45.	42.	Cloudy	
Sunday 9.	38.	49.	38.	Mostly Cloudy	N.W.
10.	33.	36.	28.	Some snow & rain	N.E.
11.	18.	32.	20.	Fair	N.W.
12.	13.	34.	29.	Fair	N.W.
13.	28.	38.	27.	Fair	N.E. S.
14.	25.	37.	32.	Hazy	N.
15.	33.	35.	38.	Rainy. Some ice.	N.W.
Sunday 16.	33.	46.	31.	Fair	N.W.
17.	31.	48.	34.	1/2 Fair 1/2 cloudy	N.
18.	27.	46.	30.	Fair & pleasant.	N.W. N.
19.	24.	45.	24.	Mostly Fair	N.E. S.E.
20.	22.	41.	35.	Hazy. Cloudy.	N.E.
21.	33.	40.	49.	Some snow. Rainy Day	Near near
22.	35.	47.	37.	2/3 Cloudy	N.W.
Sunday 23.	32.	44.	34.	Mostly Cloudy.	N.W. N.W.
24.	32.	39.	33.	1/2 cloudy	N.W. W.
25.	27.	34.	26.	Cloudy. Snowy after 4 P.M.	N.E.
26.	30.	39.	25.	Fair. Snow is 4 inches.	N.W.
27.	13.	40.	32.	Mostly fair	N.W.
28.	32.	39.	38.	Cloudy. Misty	S. & C.
29.	35.	40.	36.	Mostly Fair	N.W.
Sunday 30.	24.	39.	28.	Mostly Fair	N.E. & C.
885, 1251, 999					

Temperature

At sunrise	29.	$\frac{15}{30}$	Average $34.\frac{75}{90}$
At 10 M.	41.	$\frac{21}{30}$	
At 9 P.M.	33.	$\frac{9}{30}$	

A cold November compared with last year. Yet there has been a good share of fair weather

November 1851.

Saturday 5.

November begins with a pleasant day, but nature has lost its charms, and there is some of the gloominess of November around us.

Forest Trees... almost all native trees have lost their foliage, or the greater part of it, except Oaks.

Oaks, seen from Round Hill, in every direction, and on hills & in valleys, show much color from brown to scarlet or brilliant red. Judging from the trees on Round Hill, White Oaks have brown leaves, Scarlet Oaks have some bright red foliage, and some paler, and Red & Yellow oaks have reddish brown, yellowish brown leaves, and some greenish. Many Oaks have lost all or most of their leaves, yet different shades of red and reddish brown show them on Holyoke and Tom, on Eastern Hills, on Western Hills, and on the low lands in Northampton and Hadley.

Some trees with light colored tops appear on the mountains - perhaps poplars.

Evergreens are every where distinct

European or Exotic Trees - these retain their leaves longer than native trees.

English Oaks at Brights are yet green, with some yellow leaves.

English Oak in Mr. Joy's lot retains its leaves which are of a yellowish brown. No red about English Oaks.

English Elms retain most of their leaves, mostly green but some yellowish. American Elms are bare.

English hickories retain many leaves, & have lost many. Leaves are yellowish & green. American Bass Trees are bare.

Weeping Willows still make a very fine appearance. Mostly green - some yellowish leaves. No tree retains the color & grace of its foliage like the weeping willow.

Yellow Willows have many leaves - pale green.

Silver Poplars. Some of these have much foliage that is green; and becoming more yellow & thin.

The Privet or Prim retains its leaves & greenness like the weeping willow. Has black berries.

Hawthorn & Buckthorn have a large portion of their leaves, which are generally green - some yellowish

Catalpa leaves are yet green.

Lilacs have green leaves.

Apple Trees have green, yellowish & brown leaves, though very many have fallen. Young trees and many large ones are quite green.

English Cherry. Leaves are yellowish, reddish, & green, many have fallen.

Quinces are quite green - some leaves fallen.

Apricots have some green leaves. Most fallen.

Peach Trees. Large ones nearly bare. Young trees quite green.

Osage Orange. Leaves are green - with green

Rose Bushes. Some have green leaves.

Snow berry is full of large white berries - conspicuous.

Snow Ball has many green leaves.

Trumpet Honey suckle has some green & yellow leaves.

Flowers. There are a few wild & a few garden flowers yet.

November 1857.

Sunday 2. I did not attend meeting.

Monday 3.

Crickets and Grasshoppers } are still seen in the grass, and they make some noise in warm places, on a pleasant day. The creak of the crickets is still heard in the evening but quite faint.

Yellow Butterflies are in grass lands.

Blue jays scream in the woods.

Flies are gone or are still mostly indoors & out. A warm fire brings out a few.

Tuesday 4

Wednesday 5

Thursday 6.

Rev. S. Nash of Essex was here some hours.

We had word that grandson Hall was yet so well, & had not been for some days, on yesterday.

Friday 7

Word came in this morning that little Hall had a distressing fit last night, and now remained in a state of insensibility. I and wife went out immediately, and Peninnah who was engaged in baking came out P.M. We found the little boy, in an unconscious state, with a difficulty of breathing apparently, his head thrown back, & his body in motion at every breath. He made some noise but not very loud, not any regular groans. He was a severe sufferer, though probably insensible to his sufferings. Wife & I came in towards night.

Saturday 8

Peninnah came in in the morning and I went out. Little Hall had become more quiet and more sensible; his mother was holding him in her lap, and his convulsive motions had nearly ceased. He lay on his back, was insensible to all around him, and his breathing gradually became fainter, until one o'clock P.M. when he ceased to breathe. No struggle or groan attended his last hours.

Sunday 9

I went out to Greenville A.M. and came in about noon. I engaged Mr Wells the Daguerrotype man to go out & take an impression or daguerrotype of the dear boy. He succeeded well, and got a very good impression or image.

P.S. He took two more from this one Wednesday Nov. 12.

November, 1851.

Monday 10

We attended the funeral of little Hall at a little past one P.M., and we arrived at the burying yard before three, and laid the dear boy by the side of his deceased brother, & not far from his father, in the burying yard near here, or the old and common one.

I and wife & Minnah, and brother Matthew and Irene went out in a carriage. Brother Matthew read some from the Bible, with a few remarks, and made a prayer. There were no singers but the mother & aunt (Martha) of the deceased, and they sang an affecting & impressive hymn - one very appropriate to the occasion. Only four carriages - the one I & family, & went out in, one with Mr. Berger's family and Frances and Kate; Mr. Parsons, a neighbor, and Mr. Hill, each a carriage, accompanied the remains, the little coffin being carried on the fore part of the carriage that I & family were in. It rained some & the weather was cold and unpleasant.

Grandson Hall

He was born Nov 30, 1849, about two months before his father's death. Was a fair-looking promising child, but in February last, 1851, one of his testicles became inflamed & swelled, and subsequently became an ulcerous sore and it remained in a bad state until his death, though partially healed. A sore also came out on his head and remained until a few days before his death when it healed. He seemed to have inherited disease from his father. His bodily troubles made him irritable and uneasy, and he required ^{constant} attention of his mother, yet he was at times good natured and playful, and seemed to enjoy life like other children - was attracted by horses, waggon, cattle, kittens, & all sorts of playthings like other children. But he was much of the time a sufferer. His disorder affected his walking, and he never went many steps alone, but would go about the floor abundantly when led or guided by the hand. He pronounced several familiar words, as the names of relatives, animals, &c. but was backward in talking; had hardly begun to talk. - Frances carried him to Norfolk Conn. the latter part of July, and was gone some weeks. - Doc. Munde, the Water Cure Physician at Greenville was his physician, but he never gave much encouragement of his recovery from his serious complaints; he thought it not probable that he would ever get rid of the disease, though it was possible. He was packed as it is called, or rolled up in wet sheets, & bathed in cold water, almost every day for months, and his life, I think, was prolonged by these means, but his disease was not cured, nor was it much expected.

November 1857.

Monday 10

Grandson Hall continued.

Frances and her children came in here for a visit Friday Oct. 24. Hall had been better for some time, and after he came here, he was most of the time fond of play & seemed to enjoy himself, though he required much attention from his mother, & did not like her being absent long. He had for some time had a good appetite, and his body was full and heavy and his cheeks chubby & face plump & round. Indeed, he had never been lean & emaciated at any time, but always pretty full. Frances and the children went home on Friday Oct. 31st. Hall was more restless & uneasy the day before, and had nausea at the stomach, and disliked food; and these things continued the next day, and after he went home in a greater or less degree. While he was here the hand healed up; it was almost healed when he came, and his lower sore seemed inclined to heal.

On Wednesday, Nov. 5. Frances sent in word that Hall was not so well; that in addition to the nausea he had been too much inclined to sleep for two or three days - she feared that his brain was affected. This state continued on Thursday, and on Thursday night he had a distressing, convulsive fit which continued 8 or 9 hours. He came out of the fit in part on Friday morning, but his consciousness never returned, nor did convulsions entirely cease, and his breathing was at times laborious; yet he was not in a fit as in the night, and was not convulsed & distorted as then. On Friday night he became more quiet, and this continued until his death. He lay nearly in the same position for some hours before he died, and life went out very gradually, & without any groan or struggle. Frances & others thought he had moments of reason or consciousness two or three times after his fit; that he recognized his mother, and tried to say, or did whisper, ma ma, sounds that were so common with him at all times. His mother thought he manifested a wish to have her take him or hold him, and she did hold him for hours before his death and he breathed his last in her lap, about one o'clock P.M. on Saturday. After he was attacked by a convulsive fit, his sensibility or consciousness departed, and never returned, except for a moment. He was probably unconscious of his sufferings.

Doct. Munde thinks that the healing or partial healing of his sores, carried the disease to his head & occasioned his death at this time.

November 1851.

Monday 10.

Grandson Hall continued.

Hall was a fair complexioned fair looking boy with white or light hair. He had a prominent finely turned forehead, large, lively blue eyes, a regular nose, full cheeks, a pleasant mouth inclining to a sweet smile when not in pain, and a good chin. He had some of the appearance which his father had at the same age. He was lovely in death. His eyes were somewhat sunken but all his other features were distinct and pleasant. His forehead, full cheeks, mouth &c. remained as in health. His face, arms and bosom as he lay in his coffin, were as white as snow and as smooth as alabaster. He had a little red spot on one cheek at his birth, which always continued, & was distinct after his death.

His mother has been devoted to him from his birth to his death. With so much uneasiness and soreness and pain, he required much attention from his mother, and "ma-ma" was upon his lips very frequently every day. His aunt Sarah Birge & sister Kate & others visited & entertained him for hours when he was tolerably well, but there was no friend like "ma-ma". He was dear very dear to his mother, and we all loved him but she & the rest of us feel that he may have been taken away in mercy to him & to us all; that his continuance in life would have been a continuance of disease & pain, and perhaps of excruciating suffering. Be that as it may, we believe that "the Lord of all the earth doeth right."

November 1837.

Tuesday 11. Yesterday was Town Meeting. All parties had made great exertions, and the Whigs had been especially active, but the Whigs were defeated. There was a general turnout.

	Governor	Representatives
Whig votes	446	442
Free Soil do	322	} united 483.
Democrat do	165	
	933.	925.

One Free Soil & one Democrat Representative chosen.

Almost all the votes of the State for the various officers were in the Springfield Republican this morning. No election of Governor. Representatives - many not yet chosen.

Myself.

I weighed on the ^{now} 7th 157 lbs, which is ten pounds less than I weighed last summer or spring. I have not recovered ~~from~~ my strength & weight since I was sick at Lunenburg.

I have little or no difficulty about my right side & bladder; but I have an unpleasant feeling in the region of the heart, and the pulsations of the heart are often too fast, and sudden motions and exertions quickly accelerate the movements of the blood. I have at times a sort of light-headedness, whether connected with the heart I know not. I have felt these heart difficulties ~~for~~ by turns for fifteen years or more, but not so much for several years past as this year. I felt them before I went to Lunenburg.

Wednesday 12. Frances & Martha in to day.

Thursday 13.

Rev. Mr. King of Danover, Morris County, N.J. called upon me to day. He is a son of Henry King, and grand son of Phineas King, formerly of Southampton. Phineas was son of Douglass King. I knew both

Friday 14

Saturday 15 Rainy. Unpleasant.

November 1831.

Sunday 16. Prof. Haven preached.
I attended meeting for the first time since
I went to Lunenburg, 2 months ago.

Monday 17.

Weeping Willows retained their greenness
until the thermometer went several degrees
below 32, and on 6, 7, 8, & 9. In the morning the
green leaves remained till these severe frosts.
Now weeping Willows retain half their leaves
which are a greenish brown - beauty gone.
English Oaks at Brighton are greener than Willows -
scarcely to resist frost remarkably.
Privet a Prime is however more green than
any other shrub or tree.
A few green leaves are on shrubs near houses, and
but a few; fruit trees have lost their greenness.

Tuesday 18

Wednesday 19

Thursday 20.

Friday 21.

Saturday 22. Hills &c. covered with snow

Sunday 23 Professor Jewett preached

Monday 24.

Tuesday 25 } snowed Tuesday night
4 or 4½ inches.

Wednesday 26 }
Today the streets are full of sleighs.

Thursday 27. Thanksgiving. The sleighing
is tolerable. Thaws some.

Professor Jewett preached in the old church
where the Edwards Church folks also met.
There were many in the assembly, but the house
was hardly half full - rather thin.

Brother Malthous and family dined
with us, and remained in the evening.
Perinnah was the only child with us.

Friday 28. Sleighing continues - poor

Saturday 29. Both sleighs & wheels out

Sunday 30. I went to meeting Am.
Hminawtson here,

December 1851

Thermometer

Barometer	Summit	10. A.M.	9 P.M.	Remarks
1	21.	30.	24.	Fair, cold. N.W.
2	20.	30.	24.	Fair cold. N.W.
3	24.	30.	26.	Cloudy, cold. N.W.
4	21.	28.	17.	Fair N.E.
5	9.	24.	16.	Fair, some haze. N.E.
6	24.	—	—	{ One day this week was omitted Do not know which.
Sunday 7.	24.	30.	30.	Cloudy, Snow 1/2 inch S.E.
8.	32.	44.	42.	Cloudy, little Rain S.E. S.W.
9.	30.	34.	27.	1/2 Fair. N.W.
10.	27.	37.	25.	Fair N.W. S.W.
11.	16.	25.	15.	Fair N.W.
12.	14.	19.	21.	Cloudy cold. N.E.
13.	24.	32.	18.	Cloudy N.W.
Sunday 14.	9.	26.	21.	Fair 1/2 inch S.W. N.
15.	20.	28.	26.	Snowy, 5 inches N.E.
16.	15.	20.	2.	Fair, cold. N.W.
17.	18 below 0.	12.	4 below 0.	Fair, severe cold, S.E. & S.W.
18.	2 below 0.	18.	15.	1/3 Fair S. S.W.
19.	9.	24.	14.	Fair S.E.
20.	19.	35.	22.	Mostly Fair. N.W.
Sunday 21.	3.	26.	16.	Fair A.M. Cloudy P.M. N.W. W.
22.	5.	20.	16.	Mostly Cloudy N.E.
23.	17.	30.	17.	Snowy A.M. 2 inches, Fair P.M. { N.E. S.W.
24.	13.	24.	21.	Cloudy, little Snow 1/4 inch, S.W. S.
25.	32.	27.	8.	Fair N.W. N.E.
26.	5 below 0.	9.	7 below 0.	Fair, very cold. N.E.
27.	16 below 0.	14.	8.	Fair mostly N.E. E.
Sunday 28.	20.	33.	38.	Hail, then gentle rain. Various. S.W.
29.	36.	48.	32.	Fair, Thawing. N.W.
30.	25.	43.	41.	Fair in P.M. Cloudy P.M. Thawing. S.
31.	35.	38.	39.	Cloudy, Foggy; Rainy P.M.
479 838. 610				

Temperature of 30 days (not 31)

At Summit. $15 \frac{29}{30}$
 At 1 P.M. $27 \frac{28}{30}$
 At 9 P.M. $20 \frac{10}{30}$ } Average $21 \frac{37}{90}$

A cold month. Not much sleighing in it.
 & Thaw at the close.

December 1857.

Monday 1. Good winter weather

Tuesday 2. Frances & Kate came in. They are going to Maine, Sophia having invited Frances to spend the winter at Augusta.

Wednesday 3. Frances & Kate left for Augusta this morning at 9. by Northern Route. Sylvester will meet them in Boston

Thursday 4

Friday 5

Saturday 6

Sunday 7. I did not attend meeting.

Monday 8.

Kossuth. The arrival of this Hungarian Patriot, on Friday last has produced much talk & excitement. Such a reception was never given to any one in this country. I have made up my mind that Kossuth is a really upright & great man - a man devoted to the liberty of Hungary. I think however that he will be disappointed in his hopes & wishes as to getting "material aid" from the people & government of this country. They will praise & encourage him - but will give him only sympathy, as to the great cause of liberty.

Kossuth & others are expecting an outbreak in Europe, a general rising of the people against their oppressors, in 1852, or in a few months. How much ground there is for this expectation, I do not know. Should they rise, I fear that the despot & oppressors with their armies will be too strong; that there are millions of men ready to fight against liberty in favor of tyranny.

Tuesday 9

Wednesday 10

Thursday 11

Friday 12. Took Tea at Brothwell Matthews with wife

Saturday 13. There has been no sleighing here this month. Yet most of the ground is covered with snow, and the hills & mountains around are mostly white. There is not much snow in our street and roads. Wheels have made the roads quite smooth. A sleigh from the hills is seen here now & then on the bare ground.

Sunday 14.

Cawing Crows went over towards meadow, a little before sunrise.

Monday 15. Snowed about 5 inches,

Tuesday 16. Sleighs run again

Wednesday 17. A very cold day - average $3\frac{1}{3}^{\circ}$ below zero. Yet wind southerly all day. 18° above 0 a little before sunrise. Did not go up to 0 until 9 o'clock

December 1857.

Thursday 18. cold weather with S. wind. Ladies' Fair

Friday 19. do - do " "

Saturday 20.

Sunday 21. I attended no meeting:-

My Heart Complaint is troublesome most of the time, with some dizziness of the head. My pulsations are quite too fast, and are accelerated by all exertions and movements.

Monday 22.

Aaron Parsons here over night.

France. News of another outbreak in France, not by the people, but by the President, Bonaparte, who has abolished the constitution and government that existed, & has assumed all power, aided by the army, who seem to be faithful to despotism. He expects universal suffrage, which he proclaims, will do all he wishes, & choose him President for 10 years, and very likely the ignorant masses will do all he desires. He is imitating the elder Bonaparte in this coup d'état, but he cannot imitate his thunder, his victories & conquests, and will not last long - he may continue through 1852. He will, perhaps, be aided by other tyrants and oppressors. No one can predict with any certainty what is to follow.

Before the late acts of this perjured villain, France was a republic only in name. The Assembly which he has dissolved, or abolished, or a majority of them, had no more regard to the rights of the people, to equal rights, than he has - and many of them will sanction his doings, whatever they may be. Real republicans are probably a minority in France.

This revolution was effected, or begun, on Tuesday December 2d. Down to Friday, Louis Napoleon remained triumphant. P.S. and down to Monday Dec. 8, and still later.

Tuesday 23

Wednesday 24

Thursday 25. Arthur came P.M. from Brooklyn, L.I.

Friday 26.

Saturday 27.

Sunday 28. Hail & Rain. I staid at home.

Monday 29. First Thaw day this month. Sleighing much injured.

Tuesday 30. Thaw again. Sleighing ruined

Wednesday 31. Thaw & Rainy.

December 1851.

Eatables, &c. for 1851.

WOOD, used 8 $\frac{1}{2}$ cords @ 3.50		\$ 29.75
Sawing at 4 $\frac{1}{2}$ ¢ little splitting.		6.75
Sugar ^{12 more,} 135 $\frac{1}{2}$ pounds average 8 cents.		10.84
Molasses, 5 $\frac{1}{4}$ gallons @ 39¢		2.05
Tee 5 lbs. @ 62 $\frac{1}{2}$ cts		3.13
Coffee 24 $\frac{1}{2}$ lbs. ground & unground @ 16 $\frac{1}{2}$ cts.		4.08
Oil, best. 6 $\frac{1}{2}$ gallons at 1.50 to 1.56 say 1.53		9.95
Cheese 54 pounds @ 10¢		5.40
Butter 47 pounds @ 18 $\frac{1}{2}$ average		8.70
Lard 24 $\frac{1}{2}$ pounds @ 12 $\frac{1}{2}$ cents		3.06
Potatoes 3 bushels @ 60¢		1.80
Sweet Potatoes		0.75
Apples. 8 $\frac{1}{4}$ bushels @ 66 $\frac{2}{3}$ ¢		5.50
Apples, dried, & in small quantities.		0.94
Soap. 21 lbs @ 6 $\frac{1}{2}$ ¢		1.37
Washing fluid, soap & powder, 11 times.		1.30
Milk 212 quarts @ 4¢		8.48
Eggs 22 doz @ 12 $\frac{1}{2}$ ¢		2.75
		<u>706.60</u>

Flour and Meal.

392 lbs Extra flour (2 barrels, or within 2 or 3 lbs) cost 14.00		
near 3 $\frac{5}{8}$ cts per lb.		
52 lbs Graham meal at 3 $\frac{1}{3}$ cts.		1.73
10 lbs Indian meal at 2cts.		0.20
17 lbs Buckwheat Flour @ 3¢		0.51
Crackers, soda & others, 12 lbs at 7. & 8¢		0.90
		<u>17.34</u>
483.		

Meat and Fish

38 lbs Shear Pork @ 10cts		3.80
7 $\frac{1}{2}$ lbs Fresh Pork @ 9¢		0.68
75 lbs Beef (5 to 10cts) average 7¢		5.25
17 lbs Lamb @ 8¢		1.36
5 $\frac{1}{2}$ lbs Sausages @ 11¢		0.61
15 $\frac{1}{2}$ lbs Fowls (6 fowls) @ 10¢		1.53
11 lbs Ham @ 12 $\frac{1}{2}$ ¢		1.37
12 $\frac{1}{2}$ lbs Dry Codfish @ 4 $\frac{1}{2}$ ¢		0.56
6 lbs Salt Salmon @ 9¢		0.54
4 lbs of 1 shad & mackerel ¹³		0.38
		<u>16.10</u>
192		<u>\$140.04.</u>

January 1852.

Page of Estimates, Wood, &c. for 1852.

Wool on hand a good cord (of the two cords -
brought by cousin Samuel in November & October, including
a little here before.

Jan. 7. 109 feet. Jan. 9. 104 feet. Jan. 10. 108 feet + 128 feet. Jan. 14. 128 feet. but
 Jan. 16. 109 feet. March 6. 128 feet - hemlock. - all baid, here is 6.28
 Feb. 5. 161 feet of Miller at 3.50. \$4.40. paid - of hard + 1 cord of hemlock
 besides millage.

Oct. 22, 1 Cord Oakwood \$3.50, paid.
Nov. 22 103 feet Ash of S.E. [Suwar. 16. 1853, paid.

Agave white & brown, on hand 10 lbs. 15th of H. Jan. 15. G.
 12^{1/2} lb H. G. 17th G. June 20. H. 14 lb H. 15th May 1. H. G.
 11th H. G. May 7. 14th S. G. P. G. June 21. 16 + 5th Aug 2. H. G. 5th fine
 12th G. S. G. P. G. Sept 6. 12^{1/2} lb S. G. P. G. 22. 15th Oct. H. G. Oct 16. 15th G. 12th G. H. 12th G. P. Dec 20

Molasses, on hand 1 quart 1 G. H. Feb 5. 1 G. H. May 1. 1 G. S. P. July 24
1 qt. Syrup H. Oct. 4. 1 Gal. H. Oct. 7. 1 G. S. P. Oct. 20. 1 G. Nov. 22 H. 1 G. Dec 23 S. P.

See, on hand, black & green, 1 lb. 2^d from Maine Feb. 25. 1st Oct 2. H.
1st Dec. 4.

Coffee, on hand 2 lbs. 4 lbs. H Jan 28. 14th May 1. 4th July 14. 4th Sept 23
4th Nov. 22.

Oil on hand, 3 quarts. 1 G. H. Feb. 25. 1 G. H. Apr. 20. 1 G. H. July 17.
 Fluid 1 G. H. Jan. 28. 2 qts. May 20. 2 qts. Oct. 11. 1 G. H. Sept. 22. 1 G. H. Nov. 10.
 1 G. H. Nov. 16.

Butter, on hand.

Cheese, ¹⁰2½ lbs. 1 ³/₄. 2. 2. 2¼. 1½. 1¾. 1½. 2 ¹²/₃. 2 ¹⁰/₃. 2 ¹⁰/₃. 2. 2. 2 ¹⁰/₃. 2. 1

Lard, on hand $5\frac{1}{2}$ lbs. ¹²₆ 17th Feb. 27. 2^{lb} ¹⁴₈ Aug. 6^{lb} ¹⁴₅ Oct. 4. 8^{lb} ¹⁵₂₀ Oct. 28.
5^{lb} ¹²₆ Dec. 30.

Flour, wheat, on hand 196-45 = 157²³ Sept 6.25 = 1.44
1 bbl flour April 20. 1 bbl flour, Oct. 2. 76.50 = 4.81.

Other Flour and Meal - Buckwheat on hand 5³ lbs. 9³ lbs. 9³ lbs. 4³ lbs.
Graham on hand 7³ lbs. 11³ lbs. 11³ lbs. 10³ lbs. 11³ lbs. 11³ lbs. 11³ lbs. 11³ lbs. 10³ lbs. 12³ lbs.
Indian 6³ lbs. 10³ lbs.

Meat, on hand 10 Dr Pork salt. 29 Dr Shear pork June 5 R 10^c. 305
Beef 5¹/₂ Dr 8⁷/₁₀ 5⁶/₁₀ 5⁵/₂ 5⁵/₂ 15⁵/₂ 15⁵/₂ 4¹/₂
Beef tongue 3¹/₂ Dr Heart 15^c Fresh pork 9^c Dr 10^c 5^c 5^c

Sausages 12^c 1 lb. 2. 2¹/₄
 Godfish fresh 6 lbs. Salt 3 lbs. Sugar
 1 lb. 25^c 25^c Salt Salmon 2 lbs 79^c 3¹/₄ D. 9^c
 Sugar Fish 30^c 1 lb. 2¹/₄

Sold on hand 26 bars, about 40 lbs.

Masking Powder &c 12^c. 13^c. de Sozop. 20^c. 10, 20, 10, 20^c. 11.

(Potatoes) - on hand 1 peck. 1 bushel Jan. 21. ^{12^c} 1^{12^c} peck man. ^{2^d} 1^{2^d} peck. ^{10^c} 1^{10^c} 2 pk. ^{12^c} 1^{12^c} 2 pk. ^{17^c} 1^{17^c} 2 pk. ^{5^c} 1^{5^c} 2 pk.
Sept. 1^{15^c} peck 2 bushels 1/2 pk.

Apple s. on hand $1\frac{1}{2}$ bushels. Lasted till Feb. 27.
13°. Dried clo 22°. 40°. Eng. 10°. 12°. 6.6

Eggs, some put down last spring, in lime water.
1 doz. 11. April. $3\frac{1}{4}$ doz. May 40°. 4 doz. 50°. $2\frac{2}{3}$ doz. 33°. 1 doz. 75°
2 doz. 28°

Howls / 54 lbs. @ 10^c. 2 3/4 @ 11^c
\$5.19

Oct. 13. Samuel Edwards brought 8 tin snails, 1 speck of tin; late 5 C. tin
24 etc etc 2 tin snails, 1 tin, 1.00. Sec. Nov. 16. 1853.

January 1852

Money Matters - see October

Receipts

		\$
1852. Jan. 1.	Balance of account under Oct. or cash on hand	44.30
1	For services 12 ^c do 12. 10. Services 1.00	1.34
3.	Dividend on Providence & Boston Rail Road	30.00
Feb 24	Interest on money on Ephraim Ford's note	36.00
March	Services 25 ^c do 27 for Son J. Walker 10 ^c	10.25
April 7	Dividend of Greenfield Bank, 4 percent.	60.00
14.	Services 6 ^c Postage paid back 43 ^c	1.05
20	Son Sophni paid on his note 50 ^c	50.00
		<u>\$232.94</u>

Expenditures.

Jan. 1.	Postage of Evangelist 1 gr. 10 ^c . Post Office Box 12 ^c .	0.22
1	Cheese 2 ^{lb} do 25 ^c . Washing Powder 12 ^c . Postage of 4 Times	0.87
1	Hellyer & Woods bill for 1851	20.67
1.	Stoddard & Lathrop's bill \$5.88. S. G. Parsons bill 293.	8.81
1	Paid Mrs. Shepard's Milk Bill since Sept 13, 113 qts.	2.27
2	Paid Arthur for money she paid for Peninnah's Dress.	5.25
2	New York Evangelist for year 1852 in advance.	2.00
3.	Peninnah for shoes, gloves, &c \$2.00. 10 stamps	2.30
6	Paid Dr. Hiske for a visit to grandson Hall last summer	0.75
6	Peninnah had for Springfield \$2.00 & 1/2 doct 12	2.12
6.	Paid Silas Smith for Coffin for grandchild Hall.	1.75
7	Sausages 15 ^c . Pork 7 ^{lb} do 63 ^c . Mending Pail 8 ^c	0.86
10	Coats for Sawing wood \$1.21. Stamps 36 ^c . Candy &c 8.	1.65
17	Cheese 17 ^c . Butter 27 ^c . Canna 12 ^c . Mop handle 12 ^c	0.69
20.	Paid Coats for Sawing wood \$2.37. Wife 25.	2.62
24	Beef 33 ^c . Peninnah had 25 ^c . Envelopes 6 ^c	0.64
27	Paper & Almanac 48 ^c . Sausages 26 ^c . Yeast &c 10.	0.84
		<u>\$54.31</u>
Feb 3.	Butter 2 1/4 do 37 ^c . Crackers 8 ^c . 16 feet Wood & Miller	4.40
5.	Godfish 13. Cash to brother McCallhays	4.00
5.	Graham meal 37 ^c . Washing powder 13 ^c . Coloring Stockings 18 ^c	0.68
6	Sawing wood 75 ^c . Splitting 60 ^c . Rubber shoes for wife 1.04.	2.39
12.	Cheese 20 ^c . 20 stamps. 60 ^c . Paper 63 ^c . Mending shoes 50 ^c	1.93
13.	8 ^{lb} Beef 56 ^c . Crackers 8 ^c . Beef 19 ^c . Peninnah 14 ^c	0.97
23.	Beef 50. Land &c 44 ^c . Yeast 4 ^c . Apples 13 ^c	1.08
27.	17 ^{lb} do Land \$2.19. Peninnah 10 ^c . Beef 34 ^c . same	2.65
		<u>72.97</u>
March		<u>110.00</u>
5.	Cash to brother McCallhays 10 ^c	1.49
6	Peninnah 15 ^c . Butter 52 ^c . Cheese 18 ^c . Peninnah 64 ^c	1.23
6	Mending Tin 10 ^c . Tea from August 11.00. Peninnah 13.	1.22
11	Graham meal 39 ^c . Coats sawing & splitting wood 83	0.58
13.	Soap 10 ^c . Sausages 29. Maple sugar 13 ^c . Beans 6 ^c	0.78
	Paid for Arthur's Trunk 50. Tack 6. Cheese 22 ^c	0.86
	Yeast &c 5 ^c . Beef 44 ^c . Peninnah 13 ^c . Eggs 13 ^c . Ind meal 11 ^c	5.00
20.	Paid brother \$5 (mending 30 in all) for services. Peninnah	94.15
		<u>2.43</u>
1.	Peninnah 33 ^c . Beef 33 ^c . Postage 77 ^c . Lost \$1. somehow.	60.84
9	Paid Col. Shepard balance of Rent for house & pen	2.00
9	Paid J. H. Courier to April 1, 1 year	3.00
9	Paid Hampshire Gazette for self & Sylvester, each 1 year	2.00
16.	Graham flour 33. Cheese 13. Soap 10 ^c . Wife 25. Buckhead flour 25	1.09
16	Mrs. Shepard's milk bill since Jan. 1. to this day, not inc. 111 pints.	2.22
17	Beans 25 ^c . Paper 60 ^c . Eggs 13 ^c . Work from Bliss 33	1.26
20	Paid brother McCallhays \$10 for services	10.00
20	Beef & Suet 49 ^c . Eggs 17 ^c . Paper 25 ^c . Sugar 10 ^c . Peninnah 25	1.76
24	Comuth Bond 1.00. 120 stamps 60 ^c . Yeast 1.00.	2.60
30.	Hellyer & Woods flour 6.50. Wife 90 ^c . Mending book 25 ^c . Sundry 4 ^c	7.69
May 1.	Balance to May 1. acct.	42.40
		<u>\$232.94</u>

January 1852

Thermometer.

	Sunrise.	1 P.M.	9 P.M.	
Thursday 1.	37.	40.	29	Fair & pleasant. Thawing. N.W. N.E.
2.	22.	34.	24	Hazy. Sun visible. N.E.
3.	21.	26.	26	Cloudy. N.E. & N.
Sunday 4.	27.	30.	31	{ Snow & hail last night and today - about 4 inches N.E. & N.
5.	33.	42.	34.	Hazy. Cloudy. Thawing N.E. & E.
6.	27.	30.	28	Snowy & windy. $5\frac{1}{2}$ inches. N.E. almost W.
7.	23.	24.	13.	Cloudy A.M. mostly Fair P.M. N.W.
8.	4.	25	6.	Fair & pleasant. N.E. & E.
9.	12.	28.	25.	Cloudy A.M. Snowy P.M. 2 inches N.E.
10.	20.	38.	28.	partly Fair A.M. Cloudy P.M. S.E. & S.
Sunday 11.	29.	40	24.	mostly Cloudy. Snow $\frac{1}{2}$ inch S.E.
12.	22.	24	18.	mostly Cloudy. cold. N.W.
13.	16.	24.	14.	mostly Cloudy. cold. N.W. & W.
14.	15.	27.	25.	Mostly Cloudy. cold. S. & S.W.
15.	25.	34.	21.	Cloudy S.W.
16.	6 below 0.	10.	8.	Fair at first. $\frac{2}{3}$ of day Cloudy. Snow $\frac{1}{2}$ inch S.E. A.M.
17.	16.	22.	7.	Fair. cold. S. P.M.
Sunday 18.	10.	13.	4.	{ Cloudy. Snowy. cold N.E.
19.	4.	11	3.	{ Snowy A.M. Fair P.M. Snowy night S.E. & N.W.
20.	3 below 0.	15.	1 below 0.	Fair 7 inches of snow fallen.
21.	2	17.	6 below 0.	Cloudy. Snow $\frac{1}{4}$ inch. P.M. N.W. & S.W.
22.	16 below 0.	21.	7	Fair S.E. & N.E.
23.	3 below 0.	27.	11.	mostly Fair S.W. & N.W.
24.	2 below 0.	23.	21.	Fair. S.E. & S.
Sunday 25.	18.	38.	27.	Fair. Thawed a little. Eaves dropped. S.
26.	34.	45.	28.	Fair. Thawing. Eaves run. S. S.W. & N.W.
27.	11.	25.	20	Fair mostly. N.W. & S.
28.	17.	38.	32.	Hazy. South
29.	34.	43.	36.	Cloudy mostly. Thawing. S. & N.W.
30.	27.	38.	28	Cloudy. Thawed some N.E.
31.	24.	26.	18.	Snowy last night & today N.E.
	500.	878.	589	

Temperature.

At sunrise - $16\frac{4}{31}$
 At 1 P.M. - $28\frac{10}{31}$
 at 9 P.M. - 19 } Average $21\frac{14}{93}$.

Temperature almost the same as December. Both cold months. Much good sleighing this month. Cold more severe & greater drifts of snow in middle & southern states than usual.

Very cold & much snow in Europe. Great snow in Spain Jan. 1.

Six inches of snow fell in New Orleans Jan. 13 - the first in 20 years.

January 1852.

Thursday 1.

The new year begins without sleighing and with mild weather. The thaw and rain have carried off the greater part of the snow, though considerable remains, but not much in the highways.

My account with Frances.

I received of Isaac Speldon a note for \$19.50 dated Dec. 29. 1851, for 6 months interest on his note to Frances, due Dec. 18. 1851.

Frances has had of me.

[She paid Oct. 20. 1852. 3. 73
\$23.23.]

Paid her Tax, July 2. 1851. - \$7.98.

Lent her when she went to Maine Dec 3. 10.00.

Paid Cephas Clark for little Hall's Grave. 1.50.

Paid Silas M. Smith for little Hall's Coffin 1.75

2.00

Oct 13. 1852. Paid an insurance assessment

\$23.23

Friday 2d.

Arthur left us for Brooklyn this morning. I had to go several miles in a stage, because the freshets & ice have carried off the Rail Road Bridge over the Manhattan. The flood & ice of the Connecticut have shoved the bridge from one abutment and half way from the other into the Manhattan or old Channel of the Connecticut, which was lower than the other: & the present Connecticut rushed in there to restore the level, carrying great quantities of ice.

Flood.

The rain & thaw of Dec. 31. and thaw of preceding days have raised the Connecticut higher than it has been since 1843 - is about as it was in September 1828. See floods of former years May 3d 1750, May 7. &c.

The water was the highest about 10 o'clock today, and soon began to fall - fell a foot by 2 o'clock, and 18 inches before 4 o'clock P.M.

The water, at the highest, was 6 or 7 inches above the top of the abutment of the upper Rail Road bridge - 50 6 inches higher than 1847, a foot higher than 1850 and about 18 inches below the flood of 1843.

The South Meadow was all covered only a few tops of stalks seen, and the North Meadow for some distance from Mill river seemed all covered. Tops of manure heaps appeared in both meadows. Middle Meadow Bank was covered at W. end near Mill river but in proceeding easterly, it showed itself and could be seen as far as my sight extended, and some strips a little north of the bank or hill, but this bank & these spots were but little above the flood - and none for some distance from Mill River.

I did not examine the lower part of the meadow until the water had fallen a foot, & I had to calculate for that. The ice generally showed where the water had been, and how high, for the water froze over last night and ice adhered to fences, trees, rail road, telegraph poles, and other objects; & covered the ground which had been covered with water, except where there was a current. Some places were open and mill river was open; a current set through the opening at the piles in this meadow, from N.W. to S.E. - I examined the upper part of meadow before 12 or noon.

January 1852

Friday 2d.

Flood continued.

The water had been up about 18 inches above the abutments at north end of the South Bridge on Rail Road, or Manhan outlet. The water did not press against the bridge, but it carried the ice against it, and thus moved it from these abutments, and partly from the others at South end.

Ice. There is a world of ice, from the Rail Road across the Connecticut, and on low lands great quantities are piled against the Rail Roads in some places, much higher than the road. There is much in sheets or large pieces, generally only 8 or 9 inches thick, but some is a foot thick or more. The greater part of the ice however, except on the outsides, is broken up so as to resemble snow and in looking from the rail road across the Connecticut, the appearance is generally white, except where bits of wood, logs, &c. darken the masses of crushed ice. The river is covered with this snowy, crushed ice, which floats along rather swiftly, but in appearance is like the meadows that are quiet on each side - has the same whitish, snowy aspect. Much ice has been forced under the Rail Road bridge (before the bridge was removed & perhaps after) into the old channel of the Connecticut.

Middle Meadow & Pascommuck meadow are covered, of course.

Hockanum meadow has been mostly covered. A strip where the buildings are, and by the road and bank in front of them, has not been covered, I think. All the ploughed land seemed to have been covered, except about the buildings & road.

The houses on the Hockanum road have been surrounded with water, and indeed still are; both the ferry house & barn at lower end, where the water must have been of considerable depth; and the two houses at upper end, (one on Vent. Field Road, East of Hockanum road). The ground was all covered around these houses, but they were set up high from the ground & the water did not reach the sills.

The flood set up on the wall, on the back side of Anne Clarke's house, almost to the top of the little square window or door in the stone wall - Her fence east of Rail Road, on her mowing, was covered above the tops of the posts many rods. West of the Rail Road the tops of the posts were generally seen.

The water came up on the side of Pleasant Street, across the mouth of Hawley Street, above the Foundry, and was of some depth in the lower room of the Foundry.

It extended up the brook, and was of considerable depth as far as Bridge Street, by Mc Intire's store; the flood or still water extended about 6 rods north of the road on Bridge street, in the N. E. branch of the brook channel, but did not ascend the N. W. branch above their junction.

January 1852

Friday 2d.

Flood continued.

Animals on the meadows have had a hard time, and great numbers have been drowned or killed.

Meadow Mice. Hundreds, & perhaps thousands of these had escaped from the flood and sought refuge on the rail road under the old grass, &c.; and boys had great sport in killing them, and some men and dogs aided. After killing them, they threw them out upon the ice, and hundreds of dead mice were lying on the ice, each side of the rail road, and some were drowned where the ice did not cover the water.

These mice are all one species, but of different age and size. Must be the *Arvicola hirsutus* of Emmons (page 60.)

Musquash. Some hunters were out in the forenoon, and a number of musquash, so called, were killed. They went down Mill river with their boats, and found other openings in the ice to the right and left. I saw some boats full. I saw no musquashes.

Raccoons. These escaped to high spots of ground in N. meadow, where one man killed six, not far from middle Meadow Hill. Another man saw half a dozen more drowned, in S. meadow. Some were killed on the Rail Road - I noticed one that was dead.

Woodchucks. One man said one or two of these had been awakened from their torpid state, but were subsequently drowned.

The Crows seemed to know that there was a feast for them. In the afternoon, after the water had fallen a foot or more, I saw great numbers of Crows in the north meadow, on the higher spots of land that were out of the water, where they doubtless found plenty of mice, dead or alive, and other drowned animals. They left the meadow before sunset and flew northwesterly or westerly.

Minks. It is said a few have been killed, about the Rail Road & Mill River, or two of each sort.

Saturday 3d.

I walked over to the S. E. end of West's lot at Fort Hill, to look at the meadow - went through Maple & Fruit streets on my return.

The water has run off from all the higher parts of the meadows which it covered yesterday, but the ice which formed on the flood, settled down & remains on the land, covering most of the land that was covered yesterday, & giving the meadows much of the aspect of yesterday. This ice is not thick.

All the land below Fruit & Maple streets was covered with water yesterday; & the water came up into those streets among the houses, and partially or wholly filled several cellars.

January 1852

Saturday 3d.

Flood continued.

The water came into the lower end of Maple Street & came a rod or two this side of Seth Strong's house. It would have required six inches more of water perhaps, to meet the flood at the north end of the same street.

In Fruit Street, the flood came some rods north of R. Thayer's house & the road to Wests, & covered the lots on both sides of the street, including Mrs. Woodward's lower lot, north of West's road. It was as high as the lower part of that road, & ran across it. It was within about 6 or 8 inches of the sills of two houses, or more on that street.

The flood was 18 inches deep on Ansel Wright's garden, or from 15 to 20 inches ~~and~~ on different parts of it, and a foot or more on Rust's garden north of it. It covered the yards about their houses, except the higher part near the buildings. The five new houses at the lower end of Maple Street, N.E. side, & N.E. of Maple Street on a short street, were all surrounded with water, & the water was near, if not around, the old house of Josiah Dickinson. It was two or three feet deep where the cross road crosses Maple Street. It covered, at the N. end of the street, part of the door yards of the three northern houses, on the E. side of the street.

The flood was within a foot of Doct. Thompson's flat or snowing, next to the cross street leading from South to Pleasant Street. In some places, I think 9 or 10 inches more of height would have carried it upon a part of the flat. It rose upon the boards of Dr. Thompson's barn or shed that projects into the cross street, but how many inches I could not tell.

The water was of considerable depth in the hollow, in the rear of the Unitarian Church, & in rear of one or two houses near Mill river.

Slating & sliding are good in low places where the water did not run off, but where smooth thick ice is formed. Many boys out, some girls near buildings.

Crows in the meadow as usual.

Water at Hartford said to be 19 feet above low-water mark - not very high.

[See April Flood under April 22, 23 & 24.]

January 1852

Sunday 4. Stormy. I did not attend meeting.

Monday 5. Thaw. Sleighs run, but the sleighing seems to be going

Tuesday 6

Snow went over a little before sunrise - from N.W. to S.E.

Peninah left us to spend a few days with Jane (Judd) Hooker at Springfield.

California. This fever is raging again - indeed it has never ceased entirely. Many are preparing to go to that golden region - some from this vicinity.

Wednesday 7.

Snow enough for good sleighing. Drifted on the hills and here also.

Thursday 8. Fine sleighing.

Sister Smith came from Westhampton.

Friday 9.

Saturday 10. Sister Smith went home

Sunday 11. I did not attend meeting.

Monday 12. Cold & fine sleighing here.

Tuesday 13. Same. Snow drifts much on hills.

Wednesday 14 same

Thursday 15 nearly the same

Friday 16.

Saturday 17

Sunday 18. I did not attend meeting.

Monday 19. Yesterday, last night & this A.M. much snow fell, or about five inches. It was a severe storm N.E. & W. to a great distance - in many places much more snow fell than here. Rail Road blocked up, and other roads.

Tuesday 20. Cold weather far & near. The cold weather & snow have extended far to the south. The depth of snow in our woods is said to be about 18 inches.

Today thousands passed on the ice, between New York and Brooklyn. Some horses & sleighs; but they could not cross the Hudson to Jersey city on the ice. The ebb tide carried the ice from East River down the bay, and the Brooklyn ferry boats again commenced running.

In the last week in January 1817, Brooklyn ferry was closed a few hours; & people passed on the ice, from Long Island to Staten Island; from Staten Island to New York; and from New York to Pawle's Hook Jersey city.

In the first week in February 1817, thousands passed on the ice, one day, between Long Island & New York. The ebb tide, then as now, started the ice.

men crossed the Delaware on the ice at Camden.

The Bay (what Bay?) is frozen over down to Annapolis.

Thermometer this morning said to be 7 degrees below 0 in Philadelphia; and 5 degrees below 0 in Baltimore. Below 0, 2 or 3 degrees in some places in New York - 3 deg above 0 in Wall Street. Potomac frozen over. Cold & snow at New Orleans. Thermometer said to be only 4 below 0 at New Haven & only 1 below in Boston

January 1852

Wednesday 21

Still Cold. Sleighs run briskly here.

Thursday 22.

Thermometer 16° below 0 at sunrise. Mercury did not rise to 0 until near 10 o'clock. I believe the wind was N.E. early in the morning, but it soon turned to the S.W. while the chimney smokes bent to the S.W. by a N.E. Wind; some hours longer. Southerly Winds seem to be as cold as any this winter - indeed, there is snow to a great distance in South South West directions.

The Sound is not navigable to New York - how much it is frozen does not appear. The ice in the lower part of Delaware river is said to be a foot thick thousands cross daily on the ice between Philadelphia and New Jersey. Baltimore Bay is frozen over down to Rappahannock river. Norfolk harbor is completely frozen up. The Ohio is closed at Cincinnati. The Thermometer at New Orleans, Jan. 20, in the morning, was 15° only above zero - coldest for 20 years.

Kossuth & many others entered Pittsburg to day (evening) in sleighs. They came in sleighs from Blairsville, 42 miles. The mountains & vallies of Pennsylvania are all covered with snow like our New England.

Chesapeake Bay has been crossed on the ice, where it is 10 miles wide.

Friday 23.

Saturday 24. Thermometer 2° below 0 with the wind southerly all night, or late early. I am not certain that the wind was not S.W. when Ther. was at 16° above 0, on 22.

Peninnat came home from Springfield.

Wife has been down with influenza a some days, but is better. This disorder is, or has been prevalent.

Sunday 25. I went to meeting A.M. Mr Eliot has been preaching here some Sabbaths; has been here for 3 months, it is said. He draws out a large congregation.

Monday 26. Heavy.

The Sound is still closed with ice (or was ~~Saturday~~) from near Hell Gate to New Haven and West of New Haven. People cross the Sound with horses & sleighs, in two places - from City Island to L.I. and from White Stone, L.I. to Conn. and probably in more places.

Much riding in sleighs in Baltimore and Washington, last week

Tuesday 27 - Fine sleighing continues

Wednesday 28

Thursday 29

Friday 30

Saturday 31.

February 1852

Thermometer

Sunrise 10m. 9pm.					
Sunday 1.	19.	29.	24.	{ Still snowing some - cloudy	N.E.
				{ snow about 6 inches in 2 days & night	
2.	20.	33.	20.	Fair	N. & N.W.
3.	2 below 0.	31.	24.	Fair	S.E. & N.W.
4.	23.	40.	32.	1/2 Fair 1/2 hazy, Thawing.	South
5.	32.	— 49.	32.	Fair Thawing.	S. S.W.
6.	19.	48.	35.	Fair Am. Cloudy P.M. Thawing.	N.E. S.W.
7.	40.	39.	30.	Cloudy mostly, Thawing.	N.W.
Sund. 8.	21.	31.	25.	Fair	N.W.
9.	10.	36.	31.	Air some Thawing.	S. S.W.
10.	17.	44.	36.	Fair mostly, Thawing.	S.E.
11.	35.	50.	40.	Rain night & Day.	S. S.W.
12.	35.	32.	22.	mostly cloudy.	S.W. W.
13.	21.	32.	23.	cloudy	Southerly.
14.	22.	37.	18.	cloudy Am. & night P.M. Snow 1/4 inch.	N.E.
Sund 15.	2.	24.	22.	{ Fair 2/3 day; cloudy 1/3.	N.E. S.
				{ 1 inch snow in night.	
16.	22.	32.	18.	mostly fair	N.W.
17.	4.	24.	16.	Fair	N.W.
18.	13.	25.	8.	Fair	N.W.
19.	6.	27.	7.	mostly fair. some haze.	W. E.
20.	5 below 0.	20.	10.	mostly fair. cold.	N.E.
21.	2 below 0.	27.	24.	1/2 mostly fair; 1/3 cloudy.	N.E. S.
Sund 22.	24.	42.	35.	Snowed 2 inches AM. / pt fair PM.	N.E. S.
23.	35.	44.	36.	mostly fair. partly cloudy, Thawing.	N.W.
24.	29.	48.	37.	2/3 fair 1/3 cloudy, Thawing	S.E. S.
				{ Rain in night	
25.	37.	44.	34.	Cloudy little Rain AM. Fair PM.	Southerly
26.	25.	30.	20.	mostly fair	N.W.
27.	15.	32.	25.	mostly fair.	N.W.
28.	23.	33.	31.	{ Gentle snow most of day, 4 inches	N.E.
				{ Windy night followed	
Sund. 29.	20.	26.	16.	Fair. cold. Windy.	N.W.
	560.	1009	732		

Temperature

At sunrise 19 ²/₂₉
 At 1 P.M. 34 ²/₂₉
 At 9 P.M. 25 ²/₂₉ } Average 26 ³/₂₇

February completes a very cold Winter. By itself, however, it was not remarkably severe. Much fair weather and no deep snows. Good sleighing about two thirds of the month.

February, 1852.

Sunday 1. Did not attend meeting, ^{Stormy}

Monday 2. About 6 inches of snow have fallen the two past days and the two nights before last night. There is a heavy body of snow on the ground, but not enough to impede sleighs and sleds. The sleighing is good, at least about here.

Tuesday 3.

Wednesday 4.

The Sound. No vessel passed through L.I. Sound until Sunday Feb 1. and on Monday & Tuesday, Feb. 2 & 3, there was much ice, which impeded vessels.

Baltimore Bay was not open until Feb. 2, or 3.

The Ohio was open at Cincinnati, but there was a great deal of ice between there & Pittsburg. Feb. 3.

A few days since the ice was 13 inches thick on the Ohio at Wheeling (so said) and the snow in all the region around 18 inches deep (so said.)

Thursday 5

Friday 6.

Saturday 7

Sunday 8. I did not attend meeting.

Monday 9

The Ice did not break up in the Potomac so that vessels could come up to Washington, until Sunday 8th

The Ice in the Delaware broke up Saturday Feb. 7th and vessels came up to Philadelphia Sunday Feb 8.

Ice not gone higher up the river.

Tuesday 10

Wednesday 11

Thursday 12

Friday 13

Saturday 14.

Parkman writes from Reading that they have had 50 days of sleighing there, & about 2 feet on a level in the woods. Boston papers mention 50 days sleighing.

Sunday 15. I did not attend meeting. Mr Eliot preached.

Monday 16

Tuesday 17.

Wednesday 18

Sleighing not good since the thaw & rain of the 11th especially, East Side of river. Wheels come from Danbury, &c. Pretty good sleighing this side.

Thursday 19.

In evening, brilliant lights, N. E. S. & c.

Friday 20

Saturday 21.

Sunday 22. I staid at home

Monday 23

Tuesday 24

Wednesday 25. Son J. H. Williams came in evening

Thursday 26. Dearson Hall died 2 years ago.

Friday 27.

Saturday 28. Rode out to Mr Birger with J. H. Williams nephew Aaron Parsons died this morning has had a distressing sickness

Sunday 29

Good sleighing again.

February 1852

Letters sent. [Cont. from under Aug. 5.]

February

- 5 To son Sylvester, Augusta
- 5 To son J. Walker, (he starts for Cincinnati today)
- 5 To Nathaniel Goodwin, Esq., Hartford.
- 16 To Rev. Sylvester Nash, Essex, Conn.
- 17 To Albert Miller, Esq., 14 Wall St., New York.
- 23 To Nathaniel Goodwin Esq., Hartford
- 25 To Hon. James Savage, Boston

March

- 1 To son C. Parkman at Reading.
- 18 To Rev. T. Edwards, D.D., New London, Conn.
- 31 To son J. W. Judd, New York.

April

- 8 To son Sylvester, Augusta.
- 12 To Albert Miller, Esq., New York, enclosing two letters sent to me by the Minister of Shelburne.
- 12 To Rev. John W. Judd, D.D., Montgomey, Orange Co., N.Y.
- 12 To Doct. Avery J. Skilton, Troy, N.Y.
- 15 To Solomon Allen, Enfield, Conn. Sampsonville, N.C.
- 19 To Hon. Martin Lee, Granville, Washington Co., N.Y.
- 19 To Miss F. M. Caulkins, New London, Conn.
- 20 To E. H. Herrick, Librarian of Yale College.
- 20 To J. R. Tyler, Boston.
- 26 To sons J. W. & Hephni, New York.
- 26 To Portsmouth, Northumberland, N.H. about Judd's Falls.
- 26 To Portsmouth Southbury, Conn.
- 26 To Leverett Judd or his relatives, Bethlehem, Conn.
- 26 To Orange Judd, New Haven, Conn.
- 27 To Doct. Samuel W. Butler, Burlington, N.Y.
- 28 To Albert Miller, Esq., 3 South Wm. St., New York.
- 29 To Solomon Allen, Enfield, Conn.

May

- 18 To son J. Walker, New York.
- 28 To Nathaniel Goodwin Esq.
- 29 To Orange Judd, New Haven
- 29 To Rev. Sylvester Nash, Essex, Conn.
- 31 To Doct. S. W. Butler, Burlington, N.Y.
- 31 To Hon. James Savage, Boston

June

- 2 Sent Communication to Springfield Republican, about pleasure Carriages of 1791. Published June 3.
- 2 Sent Communication to Amherst Express about doings of Town Committee, in Revolution on first side of River. Published June 11.
- 4 To Miss F. M. Caulkins, New London, Conn.
- 7 To Nathaniel Goodwin, Hartford.
- 7 Wrote a communication for each of our papers in regard to Apple blossoming this season
- 14 A communication to the Gazette in regard to the another dollar & a half
- 14 A communication to Courier about Pleasure Carriages.
- 14 A communication sent to Amherst Express, with an old document of 1773.
- 15 Letter to Doct. Usher Parsons, Providence, R.I.
- 17 Letter to R. R. Kimman, Hartford
- 17 Letter to Nathaniel Goodwin, Hartford.
- 18 Letter to H. O. Sheldon, Berea, Ohio
- 18 Letter to son C. Parkman, Reading.
- 22 Letter to son J. W. Judd, New York with a note, from a lawyer.
- 22 Communication to Amherst Express, sent out in today's paper.
- 24 Letter to R. R. Kimman, Hartford
- 25 Wrote for Gazette a column on the Gov. Strong here & there

continued July 1.

March 1852

Thermometer

Monday		Sunrise. 1 P.M. 9 P.M.		
1	19.	27.	22	Cloudy. S: N: E: & W
2	19.	30.	14.	Cloudy. $\frac{1}{4}$ inch snow. N.E.
3	2.	24.	14	Fair. cold N.E: N: N.W
4	0.	34.	24.	Fair. Am. Hazy P.M. Southerly.
5	23.	35.	32	Cloudy. Snow $\frac{1}{2}$ inch " N.E
6	25.	40.	28	$\frac{1}{2}$ Cloudy. Thawing. N.E: N.W.
Sunday	7.	25.	37.	23. Fair Thawed some. N.W.
	8	19.	42.	35 Hazy A.M. Cloudy P.M. N.E: S.E
	9	35.	51.	45 Rain in night Thawing
	10	35.	42.	29 Hazy A.M. Cloudy P.M. S.E: S.W
	11.	21.	42.	32. Thawing. Mostly Fair. Thawing. N.W:
	12.	34.	45.	44 Mostly Fair Thawing S.W
	13.	43.	56.	43. Mostly Cloudy Thawing P. & S.E.
Sunday	14.	39.	43.	35 Cloudy. Warm. S. & S.E.
	15	35.	48.	40. Cloudy A.M. Rainy P.M. N.E.
	16.	32.	43.	33. Cloudy mostly. Little Rain. S: S.W
	17.	29.	41.	29 Fair. Pleasant N.W.
	18.	32.	43.	32. Cloudy Sun pleasant N.E
	19.	20.	40.	23. $\frac{1}{4}$ inch snow in the night. Cloudy. Thawing. N.E.
	20.	11.	33.	18 Fair A.M. Hazy P.M. N.W.
Sunday	21.	10.	33.	25 Fair. cold. N.W
	22.	25.	44.	32 Hazy A.M. Cloudy P.M. cold S: S.W.
	23.	27.	39.	33. $\frac{1}{2}$ inch snow in night. Fair & some haze. Halo. Thawing. N.W
	24.	26.	42.	33. Snowed $\frac{1}{4}$ inch A.M. Cloudy P.M. N.E: S
	25.	27.	40.	27. Mostly Fair. Thawing. S. & S.W
	26.	25.	53.	39. 2 inches snow in night. Fair. Thawing. N.W:
	27.	37.	48.	37. Fair A.M. Cloudy P.M. Thawing S.W.
Sunday	28.	32.	46.	33. Mostly Cloudy. Thawing. N.E.
	29.	28.	40.	33 Fair & pleasant. Thawing N.
	30.	32.	43.	29. mostly Cloudy Thawing. N.E.
	31.	31.	37.	32. Mostly Cloudy. Thawing N.E - W
	798 1240. 948			Cloudy. Some hail & rain. Easts
				$\frac{1}{2}$ inch of hail

Temperature,

at sunrise $25 \frac{23}{31}$
 at 1 P.M. $40 \frac{30}{31}$ } average $32 \frac{40}{93}$
 at 9 P.M. $30 \frac{12}{31}$

A cold March, yet not very unpleasant for this month. Not much wind & no deep snows. Considerable snow during the month, but not much at a time. many cloudy or hazy days. A good deal of muddy or sloppy weathering.

March 1852

Monday 1

The month begins with about 4 inches of solid snow, crusted over, that fell on Saturday, which makes good sleighing. There is considerable old snow, but not in our streets.

Son in law Joseph H. Williams, left us for Augusta this morning. Aaron H. Parsons buried to day.

Tuesday 2.

Wednesday 3. Fine sleighing this week

Thursday 4.

Friday 5. Crows fly over regularly in the morning.

Saturday 6. I was at Meeting A.M. Mr Eliot.

Sunday 7.

Monday 8.

Tuesday 9. At Mrs. Isaac Clark's in evening with others.

Wednesday 10

The sleighing is at an end. It was fine sleighing the first week in March. Now much bare ground appears in roads and in lots in village.

Thursday 11.

A Robin saw yesterday, & I hear one this morning.

Blue Birds were heard to day.

Friday 12. Maple sugar has been for sale a few days.

Saturday 13. Very muddy, & has been some days.

Robins, Blue birds are heard every day, but I have not yet seen a bluebird.

Sunday 14

Monday 15. High Flood. River breaking up.

Song Sparrows are here I have heard but not seen them.

Tuesday 16

I went down to the Meadow P.M.

The Flood is on the lower parts of the meadow but has fallen 2 or 2½ feet, & is going down. It has been within about 3 or 3½ feet of the top of the abutment of the upper Rail Road Bridge. Blackbirds are in the meadow, & doubtless have been some days.

The brown Sparrow that I usually see about brooks is about mill river.

Robins, Blue birds, Song Sparrows & blackbirds are somewhat plenty.

Crows are abundant in the meadows. I saw hundreds. They seem to find food when a flood subsides.

Snow is nearly all gone from the meadows; and not much in the village lots. It is gone from the eastern hills, but is seen on northern and western hills; and the northern sides of Holyoke & Torr have considerable whiteness.

Deciduous Forests on Holyoke & Torr have generally the grey wintry aspect, but some places are a little leaden colored & some slightly purplish.

Evergreens on the mountains have a muddy green, not a bright green. The vivid green will come with the new leaves.

White Maples show large buds. Elms changed very little. Tulips show their pointed tops, men buildings, above ground.

March 1852

Wednesday 17. Theodore Sheldon buried to day.

Thursday 18. Sleighs run again,
Birds are hoarse this morning though, every thing
is covered with snow.

The Connecticut broke up at Hartford & up to Windsor
on the 11th inst. Broke up here on 16th, ice about thick
The 2 breaking up this winter.

Friday 19.

Saturday 20.

Cold & snow continue - Windy weather.
Streets have much bare ground but fields & hills are
white with snow.

Sunday 21. Cold & unpleasant.

Monday 22.

Tuesday 23.

Wednesday 24. There is sleighing, such as it is.
Considerable snow on the ground, & the world
around all white. But it melts fast.

Thursday 25. Still winter, but snow melts.
Some sleighs & some waggons.

The Phoebe sings. Think I have heard the note 2 or 3 days before
the Song Sparrow continues his song, in a world of snow.
Blackbirds are in village, some Robins & bluebirds.

Friday 26. Very muddy & stoppy

Saturday 27. Very muddy in places

Sunday 28. H. Meeting at M. Pulp Warner preaches.

Monday 29.

Tuesday 30.

Wednesday 31.

The North River was not free from ice so as
to admit the passage of boats from New York
to Albany, until Sunday the 28th. The ice had
broken up before, but was lodged in one or two
places, so as to form a dam across the river.

The Hudson river was closed this season
102 days, which is 12 days more than the average
from 1785 to 1852, 67 years. (The average of 67
years was 90 days, according to this statement.)

In 1847 3. navigation was suspended 136 days
the longest; and in 1805 6, 42 days, the shortest.

P.S.

N.Y. Times

Winter is said to have been the coldest in New York
for 14 years.

In Augusta Maine, sleighing commenced Nov. 15
and continued 20 weeks, or 140 days, to April 2d inc.

At St Johnsbury, Vermont, the 33d snow of the season
fell March 31. They had had sleighing from Nov. 14.
to April 1st inclusive, called 141 days.

Other northern places mention 140 days of sleighing,
and some more had 150 days or more, including some in
April.

April 1852

Temperature

Subim. 10m. 9pm.

Thursday 1.	30.	46.	41.	Fair & Pleasant.	N.E.; S.E.; S.W.
2.	32.	46.	32.	mostly Cloudy	N.E.
3.	27.	32.	28.	mostly Cloudy, cold. Fair after.	N.W.
Friday 4.	23.	46.	35.	mostly cloudy or hazy.	N.; S.W.
5.	30.	45.	31.	mostly cloudy.	E.
6.	28.	37.	30.	{ Snow fell last night & today 3 to 6 inches mostly in night, cloudy. }	N.E.
7.	23.	46.	37.	Fair. muddy & sp. shy.	N.W.
Fast 8.	31.	57.	37.	Fair AM. Hazy PM.	N.W.
9.	33.	47.	41.	Cloudy.	N.E.; N.
10.	34.	50.	38.	Fair & pleasant	N.W.
Sunday 11.	28.	52.	42.	Fair & pleasant.	N.; N.E.
12.	40.	42.	35.	Cloudy & some drizzle.	N.E. & N.W.
13.	32.	38.	34.	Snow in it night & AM. Some Rain PM. } Snow 5 or 6 inches fell, some melted. }	N.E. (Calcutta N.)
14.	24.	55.	37.	mostly Hazy or Cloudy	S.E.
15.	36.	38.	34.	Rainy night & Rainy day	N.E. or near N.
16.	37.	50.	39.	mostly Fair.	N.W.
17.	31.	54.	44.	Fair & pleasant	N.E.
Sund. 18.	43.	45.	40.	Cloudy. unpleasant.	S.E.; E.; N.E.
19.	37.	41.	38.	Rainy, windy, cold.	N.E.
20.	37.	41.	38.	Cloudy, windy, cold. Sprinklings.	N.E.
21.	41.	44.	40.	windy night & some rain.	
22.	39.	55.	43.	Cloudy, some Rain, windy, cold.	N.E.
23.	40.	48.	37.	Cloudy mostly. some sprinklings.	N.E. & N.W.
24.	34.	48.	37.	Partly Fair AM. Cloudy PM.	N.W.
25.	33.	59.	47.	mostly Fair. many clouds.	N.W.
Sunday 26.	43.	62.	52.	2/3 Fair ... many clouds.	N.W.
27.	44.	55.	41.	mostly Cloudy. Rain in night.	S. & S.W.
28.	34.	49.	41.	mostly Fair	N.W.
29.	33.	57.	46.	mostly Fair	N.W.
30.	38.	60.	46.	Fair, Windy.	N.W.
				Fair & pleasant	N.E.; N.
	1015	1439	1161		

Thermometer

at sunrise	33 ²⁵ / ₃₀	} Average 40 ¹⁶ / ₉₀ or ¹⁵ / ₉₀ .
at 1 P.M.	47 ²⁹ / ₃₀	
at 9 P.M.	38 ²¹ / ₃₀	

The coldest April since that of 1838 - which was the same as this, viz. 40°. It is one degree colder than 1847, according to my record, but the real difference is not so much, as I make rather more allowance for the thermometer being under a portico than I did years ago. This may have reduced the temperature of April this year near half a degree, or 1/3 of one.

It has been about 5 degrees colder than April 1851.

April 1832. Thursday, 1st.

The month begins with a pleasant day; but the appearance is wintry; hail & snow yesterday & last night having covered every thing about 1 1/2 inch. In the course of the day, much of the snow was dissolved. There were many spots of snow in the village before this came, though generally bare. There was before this, considerable snow on Western and northern hills - not much on eastern - North side of Torr and Holyoke were hoary before & are very white now in spots.

Friday 2d

The late snow is nearly gone, and most of the ground is bare again. Streets muddy.

Walked into the Meadow - went down by west side of Mill River & came up on Rail Road, and turned to Fort Hill, thence to South Street. A.M.

SNOW - The Eastern Hills (Belchertown, Pelham &c.) are almost bare. Mount Warner is bare, and Tobey and mountains about it are almost bare. Not much snow seen on that side of the river, N. of Holyoke.

N. & W. sides of Holyoke & Torr are covered with snow; i.e. the ground & rocks are covered, though partly hidden by trees.

The Hills S. West, West & N. West are all covered with snow, including Pomeroy's Mountain and the hills south of it. All very white except where there are trees. A great difference in the two sides of the river, as is often observed. The N. part of Mt. Warner and Tobey have snow doubtless, but not seen here.

MEADOWS are almost free from snow & present a wide world of brown. Every thing is brown, but there are several shades. Old grass lands are the lightest brown; fields where the corn was cut up & no herbage left are the darkest brown; they show earth only. Grass land, recently seeded down is brown, but not so light as older grass ground. The tilled or bent down broom corn makes another shade of brown; the stubble of rye & oats another hue. The green clover leaves & blades of grass, seen close by, seem to be of the growth of last fall. They are not numerous enough to make green spots.

Mice, their works are visible in most grass ground. - probably their paths & holes were made before the flood of January 1st. - They have peeled shrubs near mill river, especially elder. Also white maple some. Have girdled some small apple trees on upland.

Crows are plenty in the Meadows & some Hawks.

Vegetation.

In general, vegetation has not started, but there are some exceptions.

White Maples by Mill River have begun to blossom. They have shot forth white. Sparrows (not all) and just begin to be feathery in some spots. The male blossoms with pistils are not so forward, I think. This blossoming may have commenced yesterday.

Shunk cabbage has shot up cones of twisted leaves 5 inches high or more - some much less. Fort Hill The spathe & spadix are fully formed, (and were probably when the snow went off). Whether it has been in flower, or the flowering is to come, I am not certain. Is in warm, wet ground.

April 1852

Friday 2. Vegetation continued.

White Poplars, by old Canal & by Mill river in meadows, have shot out brown catkins from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch. Both male & female. Do not dangle yet.

Brook Willows, shrubs, by old Canal & mill river, have put forth light brown catkins, soft, delicate & glossy, $\frac{3}{4}$ of an inch in length - some only $\frac{1}{2}$ inch.

Alders by Mill River have begun to elongate their catkins - are from $\frac{3}{4}$ to 1 $\frac{1}{2}$ inch in length, and show purple & yellow. Do not dangle much yet.

Alder Tongue, in warm places, near foot of S. Fort Hill, shoots up its speckled leaves abundantly; some are three inches long besides the stem; and many are just coming out of the ground & many only an inch or two long. The greater part, probably, not yet visible.

Jewel Weed (Impatiens) has come up from the seed at S. Fort Hill in warm, soft ground. The two leaves are, some of them as large as 5 cent pieces and some smaller. I know of no other plant that comes up so early from the seed.

Noticed no other spring vegetation.

In the Village.

Green Grass is seen in lots, by roadsides, and about buildings but it has not become green this spring. It has hardly begun to grow.

Willows have grown nearly an inch, or are an inch high in warm places - some $\frac{1}{2}$ inch or more.

Violets are in flower in Mr Lawrence's garden; were so perhaps when snow went off - blossoms seem not new & fresh.

Chickweed is in flower in same garden.

Trumpet Honeysuckle leaves just beginning to show themselves - are quite small.

Siberian Spiraea, begins to show a few very small leaves with little leaflets.

Gooseberry, no opening leaves yet. Yellow Currant none.

Bucls are swelled on lilacs, Elms, Red maple &c.

Daffodils are about 2 inches high.

Bright, Falbot, Walker's & some other gardens are yet partially covered with snow.

Mr Hibben has sowed peas, tomatoes, lettuce, &c. but there is considerable snow on his garden, near the buildings.

Radical leaves of many plants come out in the autumn & live through the winter. Such are seen in gardens, fields, meadows.

Grain in meadow has not begun to grow much. Some leaves are mostly green, though many are purple.

Sorrel so common in the meadow, put out leaves in the autumn. These are now all purple but are alive.

Trees by or in Mill River are more forward than trees of the same species in the village.

Small Oaks (white oaks) and Beeches retain old leaves

Deciduous trees on Town & Holyoke are green in place, inclining to a leaden hue, or to purplish.

Hazel Catkins, Round Hill lot, have hardly begun to elongate.

The Season or Vegetation is, at least 10 days later than 1851 - is near 1850.

April 1852

Friday 2 continued.

Butterflies. I saw several of the large dark-colored ones today at Fort Hill. One that I had opportunity to observe more carefully, had dark purple wings. The wings of all were edged with white, or light color.

Spring Birds. I notice no addition. There are Bluebirds, Robins, Blackbirds, Song-Sparrows, and Phebes. 5 species. I have seen no others unless there are brown sparrows here different from the Song Sparrows. ~~Brown~~ Sparrows are abundant near Mill river - some have the song-sparrow's song, and some have a note like Chat or Kant - Two kinds of blackbirds are here, I conclude, viz. redwing & crow blackbirds.

Robins have chirped & scolded, but today I heard a continued song, for the first time.

Chickadees & some other winter birds are about.

Logs at Lower Sawmill. There are White Pine, yellow Pine, Chesnut, Oak of two or three sorts, a few leathernut, Ash, Whitewood or perhaps Poplar, considerable Hemlock. More than half of the whole are white Pine & Chesnut. Hemlock & Oak compose most of the remainder.

Logs are smaller & more crooked and knotty than they were a few years since. Some pines are yet two feet in diameter at the butt or bottom of the lower log; & very rarely may be $2\frac{1}{4}$ or $2\frac{1}{2}$ feet.

Bullon. Balls show their usual spring whiteness & smoothness.

Yellow Willow shows yellow branches but they will become more yellow.

In hands & other trees have as yet the wintry grey color; their hue in the village is changed very little, if any.

"The woodpecker tapping the hollow beech tree". This sound I frequently hear at some distance. Do not know the species of woodpecker that makes the tapping.

Saturday 3.

Sunday 4. At Meeting A.M. Mr Eliot preached.

Monday 5.

Tuesday 6. Snow 5 or 6 inches deep. Sleigh out

Wednesday 7. Wintry Morning but birds are full of music. Snow yesterday 12 inches deep in Boston. Very extensive & severe storm. High wind in the North-east. Not much snow in N.Y. or N.J. but wind, sleet, rain, & some snow in storm did not reach Augusta, Maine. 8 inches snow at Newburyport

April 1852

Thursday 8. State Fair

Four Societies, viz. 2 Congregational, Baptist and Methodist, met in the old meeting house and from them all there was a pretty good congregation. The Methodist minister, Mr. Raven preached A.M. Decidedly Anti-slavery. Mr. Crane, Baptist, preached P.M. I attended both. The Congregational Church has a minister, Unitarian execution.

Friday 9.

Settled with Col. George Shepard. He owed me for Interest on Note of 200 dollars. 1 year + 8 days \$12.27
Interest on Note of 26 " 1 year " " " 1.36
Interest on Note of 100 " 11 mo. 11 days 5.68
Interest on Note of 100 " 9 mo. 9 days 4.65
Paid him money \$24.16
60.84.
\$85.00

His bill was - for rent of house 1 year to 80.00

April 10. 1852

Rent of half a year 1 year to Oct 30. 1851. 5.00
\$85.00

I gave up his notes, \$200 dated April 1. 1851; of \$26 dated April 8. 1851; of April 28. 1851. 100; and of June 30. 1851. 100; and took a new note dated to day for the whole \$426.

SNOW - is mostly gone from the village, but N. side of the mountains & Western Hills are all white. Eastern Hills are partially white.

Vegetation has made very little advance since Apr. 2
Snow drops - I found several white drooping buds in Talbot's garden - some beginning to open.

Crocus. I found several buds, yellow and striped, in Bright's Garden - some beginning to open.

Saturday 10

Sunday 11. I did not attend meeting. Brother Samuel here at night.

BEEs are out abundantly to day & make quite a humming. They have never been out since it was too frost; but I have seen very few before to day.

Monday 12.

Tuesday 13.

It snowed last night and this forenoon 5 or 6 inches, but some of it dissolved and only about 4 inches remained and less in some places. It looks like mid-winter. The snow all fell from the trees here, or melted, but on Adyoke the air was colder, and the evergreens & other trees were covered with snow.

Wednesday 14. Ground remains mostly covered with snow

Thursday 15. Much rain fell. Cool.

Friday 16. Hills & mountains around are all white. Part of the rain here yesterday was snow on hills. Not much snow left in village.

April 1852

Saturday 17.

A Springlike day. Though not very warm. Snow still covers the hills around on every side.

Vegetation — has made but little progress since April 2, but has started some.

Trumpet Honeysuckle. Leaves opening — some $\frac{3}{4}$ inch long.
Siberian Spiraea — has a few leaves, $\frac{3}{4}$ of an inch in length, with many leaflets; others $\frac{1}{2}$ inch long, & others not open.

Gooseberry } nearly alike. Leaves opening. The
Missouri Currant } ends of some are a little spread.

Coltsfoot — has many flowers today — may have commenced one or two days since. At Mt. Train's.

Alder Tongue — a number of flowers today in the warmest part of Fort Hill, may have commenced a day or two since. Bees on them.

Liverleaf. Several flowers in Nathaniel Clark's pasture. may be a day or two old.

Alder Catkins (male ones) dangle — some 2 & 2 $\frac{1}{2}$ inches long. yellowish & reddish. By canal.

(Brook Willow. The catkins noticed April 2 have shot forth yellowish green flowers — (i.e. stamens & anthers) and are full of bees. Near old canal.

White Poplars by Old Canal. The Northern ones or male ones have some long brown catkins with some red, 3 inches long; others one inch and two inches long, more red & less developed. Only the longer ones swing, or dangle.

The female trees South of the others are not so forward, in general from $\frac{3}{4}$ to 1 $\frac{1}{2}$ inch long, and the red hidden by the brown downy var. of the catkins. Catkins do not dangle, or very few.

River Poplar by canal has swelled buds, but catkins not yet visible. These are male trees.

Shunk Cabbage, below Fort Hill, has a few unrolled leaves, about 4 by 6 inches. In general leaves are yet rolled up, and small.

Early Beedstraw at Fort Hill is an inch or two high.

Grass has not started enough in the meadows to be perceived. — It is a little greener in warm, rich places about houses, by roadside, &c. but has advanced very little in these places, and none apparently on most lands.

Trailing Arbutus, I have not seen, but flowers have been gathered & brought here — may have been open some days.

Mezerion — shows buds red at the end — no blossoms yet.

Elms. The scaly envelopes of the clusters of flower buds are much swelled, giving the tops & side branches of the trees a dark appearance. Their density is much increased. I think the blossoms are not out; possibly some are.

Slippery Elm — about as the other. Woolly ends of clusters are visible.

White Maples seem to be full of blossoms, but I have not examined them closely.

April 1852

Saturday 17. continued.

Butterflies. The large Dark colored ones are plenty at Fort Hill. Seem black, Dark brown & dark purple. Wings spread three inches at least.

Frogs. I heard many in old Mill River bed near Fort Hill. Not a peep, but a more dull sound. I saw many in old canal and about it. They were out sunning on the bank near the water. They have probably been making a noise some days.

Farmers. A few began to cart manure into the meadow to day, but the meadows are soft.

Ploughing has not been commenced.

Red Tops & Twigs of maples & red Dogwood are conspicuous in the swamp this side of Pynchon's meadow - they give the swamp, for much of it, a brick-red appearance.

Travelling to neighboring towns is tolerably good, some bad places. Hadly Streets I said to be muddy. Some mud in our streets.

Bees were plenty about Fort Hill, on blossoms and Catkins.

Eggs are not plenty this spring - still sell for 15 or 16 cents per doz. and 17¢.

The Season is not quite so forward as it was March 30. 1851. - is 18 days later than last year. Does not differ much from 1847.

Sunday 18. At Meeting AM. Mr. Arms of Norwich, Conn. preached.

Monday 19.

Tuesday 20.

Wednesday 21.

Spring prices. - Hay, coarse for horses, sells at 10 dollars, & some is higher, \$12 asked. Finer horned lot hay is 12 dollars, & some is higher, \$14 asked for best. Oats, are 45 cents; some 37½ cents early in winter. I Corn & Rye about alike; have been 70 to 75; are now 75 to 83. Common flour about \$5.50 to \$7.75. Extra do. 6.00 to \$6.50. Potatoes about 50 cents for good ones. The rivers less, say 33 to 40. Good ones. Small quantities 62 cents or more. Butter is 17 to 20 cents, most is now sold at 20. Cheese by a few brands 10. - put up 8 cents by the cheese. Eggs about 1¢ now. Meats are high. Best pieces of Beef & Pork are 10 cents. Pies, not so good, 9. 8. 70 6 cents. Hams & Dried Beef 12½ cents. Lard 12½ cents. Veal 6 to 8 cents.

Wood. Hardwood has been mostly \$3.50 per cord. Some has been sold at \$3.25. Hickory \$4. or \$4.25.

Broom Corn is 4½ cents - quite low. - some may bring 5 cts. This low price makes bad work, especially with those in debt. Some 4 cts.

Freshet. The river has been rising some days. This day at 5 P.M. the water was about 5 feet below the top of the abutment of the Rail Road Bridge or 3⅓ tiers of stones were above the water.

Thursday 22. At 9 A.M. the water was 2½ feet below top of abutment. At 5 P.M. the water was 1½ feet below top of abutment.

April 1852

Thursday 22

Snow is gone from Eastern Hills, and is mostly gone from Western Hills and north side of Mountains. Many white spots however on Western Hills, and N. Side of Mountains. Some large places still covered with snow.

Mice, I notice, have girdled or pecked off the bark ~~on~~ the lower part of many of West's fruit trees - apple, peach, pear & plum. I never saw so much destruction of fruit trees in this way. I imagine the mice were driven from the meadow by the winter flood, & sought refuge on the uplands, & then barked the fruit trees.

Vegetation makes very slow progress.

Elms. The scaly envelopes around clusters of flower buds are generally opening. Some have shot forth their pedicels of flowers; others are not so forward. There is considerable difference. Some are in flower and some are not.

Slippery Elm. The blossoms or buds are still among the down, - are visible but do not project.

Myericon at West's has a few flowers to day - the first ones out. No blossoms at Pres. Allen's bush.
P.S. P. Allen's had blossoms Ap. 26 & probably 25th.

Early Saxifrage, has blossoms at Fort Hill, and stalks 1 1/2 to 2 inches high. Many have commenced one or two days since.

Siberian Spiraea - the longest leaves not over an inch.

Gooseberry - shows a few small leaves & many opening or open at the ends.

Missouri Currant - about with Gooseberry.

Proculus. Their flowers are plenty - not yet in full blossom. Purple, yellow, striped.

Snowdrops - still in blossom. But few in village.

Early Daffodils show large buds - will soon open.

Lilac buds are not open at the ends. Do not show the purple flower buds, but some leaves around them are purplish.

Poa annua in garden has begun to shoot out panicles - not yet developed - not fully out.

Grass has become a little greener on good lands but has not grown much.

Clover seems to have advanced more than the grasses.

Early Primrose (Primula) shows 3 or 4 blossoms at Talbot's. Same 25

P.S. - Daffodils. Two or three nearly open at Bright's & Talbot's, Apr. 26, Shepherd's Purse in blossom 24th or 25th.

The season corresponds very nearly with 1847, but is a day, or so, later. It is no more forward than April 1. 1851. - is at least 21 Days later than 1851.

Birds. I hear several sorts besides those heretofore noticed. Larks are among them. Yellow-bellied woodpeckers.

Shad. A few were brought from Saybrook to day. It was later than usual when they began to catch at Saybrook - perhaps 10 or 12 days since. Not plenty. P.S. 17, incl. 28. They are sold here from 75¢ to 42¢ each.

April 1852.

(Friday. 23. I am 63 years old.
My heart difficultly still troubles me, and
its concomitant, vertigo of the head, though neither
is so troublesome as it has been at times.
Sudden exertions and quick motions make
the heart beat fast, & produce unpleasant sensations.
Frances and Kate came from Augusta
yesterday morning & arrived here last evening.
almost 300 miles in a day. They went to Augusta
Dec. 2. 1851. — Went out to her home this morning.

The FLOOD. (see last page but one).

The water rose 10 inches between 5 P.M. yesterday and
10 A.M. today, & was then 8 inches below the top of the
abutment of Rail Road bridge (viz. at 10 o'clock.)

The water covers all the south meadow, but
some broomcorn stalks are visible & the tops of some
piles of manure carried out last fall. — All the
lower parts of the north meadow are covered. The
bank of middle meadow is out and two or three
spots not far from Mill river, between Mill meadow
and upper end of meadow, West of Hockanum road.

The flood surrounds four houses at lower part of
Maple Street & as many more at lower end of Fruit
Street; is kept out of Wright and Rusts gardens so
ft. of hornelots, by embankments of earth — is higher
than the gardens; it sets up in the hollow in way
in Maple street to opposite the house of Jonathan
Dickinson, & is on part of his garden & in rear
of his house & Seth Strong's house. — In Fruit Street,
and in West lot, west of it, it sets up as far as the raised
road that goes up to West's house, or up to opposite
R. Chayer's Garden — not quite up to his house etc. —
There is a corner of land out, or a strip, just below
Wright's house, on the corner, with a road E. & W.
The water enters the upper end of Maple Street
4 or 5 rods, and sets up in the hollow is opposite the
front door of the old Parsons house, now Lewis Parson's.
The flood is in the hollow in the rear of the yellow
house, just above South Street Bridge. It is within
2 or 10 inches of the outermost or southernmost corner of
Doct. Thompson's barn; that is, within 8 or 10 inches of the
sill, and I judge that if 2 feet higher, it should
be on the flat or mowing of Doct. Thompson, below his
shrubbery.

The water is 4 inches below the plank of the first
meadow bridge, & does not quite cross the road
on either side of the bridge, but is near it above bridge.
It is about 2 inches below the door into Anne Clark's
cellar, in the stone wall, under the back side of her house.
is on this wall some inches above the earth. It crosses
the road leading from Pleasant to Handley Streets near the
Foundry.

The Houses in the meadow, near Hockanum road,
are surrounded by the freshet — a strip of land extends
from the north eastern house or near it, a long one on the south
eastern or eastern side of Venturers Field road as far
as I could see.

The Houses on Hockanum Island are said to be
two feet, or from two to three feet, above the flood; and a few
acres about them are above the water.

P.M. At 6 o'clock the water had fallen 2 inches, and
was 10 inches below top of abutment. Has not risen
since 10 o'clock A.M.

See page of 1843, May 1. 1850 & May 3. April 1845. April 1847. May 1. 1854. 86

April 1852

Friday 23 FLOOD continued

Musquash Hunters are out with their canoes and boats - some with one man and dog, and some with two men & dog. I could hear their guns crack, with the shrill, broken sound made by discharging a gun or rifle near the water. One man told me he had killed five musquashes - had tried for ducks but did not get near any.

They come to find the musquashes by the bank of the meadow, of the rail road, about copse of trees and gatherings of sticks, corn stalks & trash: and near spots of land that are above the water.

One man on the Rail road seemed to be shooting birds.

Saturday 24.

Flood & meadow

The water at 9 a.m. had fallen in all 10 inches and was 18 inches below the top of the abutment. I went round by Strong's house in the upper meadow and thence down to Young Rainbow & along the bank down to lower end of Old Rainbow and Back Wigwam. Game back round about, in N. part of meadow.

Carting Manure. Several persons are carting manure into the N. meadows, though there is considerable mud; and water in some hollows.

Ploughing. One man & team were ploughing in the upper part of the meadow, where it is dry. The first plough that has entered the meadow this season.

The Crows and Blackbirds are about the meadow and I saw some Ducks on the wing.

The Crows, Strong says, were his companions all winter - came regularly every day. They sometimes alighted on stacks of corn-stalks left in the meadow and seemed to almost blacken the stacks.

Hawks were occasionally seen during the winter.

Strong is not certain that crows come on days when there is a violent snow storm.

See Particulars of Flood, today. Misc. 10. 166. 167
(preceding Floods, under date of May 3. &c. 1850.
January flood under Jan. 2 & 3d. May 7. 1750.

Grass in the meadows, where it can be seen, has started but little - is a little greenish in spots. Clover has increased its leaves some.

Grain, not under water, is green, but has grown very little this spring.

Great Bridge. The water is doing mischief at the east end of this bridge. To get to Hadley, a boat is necessary for a considerable distance east of the bridge.

The Fort River Bridge in Hadley. This bridge was undermined at one corner by the water a week or two since. The corner fell & it became necessary to take the bridge to pieces, viz lower bridge.

Mice. Their marks are abundant in this meadow.

April 1852

Saturday. 24.

Kossuth, the renowned Magyar, arrived here about three O'clock, P.M. and his arrival was announced by firing of cannon. He soon passed up King Street in a carriage, escorted by military fire companies, with tricolor flags. I stopped a little time at the house of Erasmus Hopkins. Mr. H. seems to have been the principal agent in getting him here. Kossuth Bonds were sold at a dollar each to all that chose to buy, and the bond holders were first admitted into the meeting house; after they were in, everybody was admitted that could get in; and the spacious old meeting house was crammed above and below. Kossuth went down King Street about half past three, & delivered an address in the meeting house, then came back to the house of Mr. Hopkins.

I did not stir from home to see or hear any thing. I have a very high opinion of Kossuth but I dislike show & parade, especially military parade. His speech, I knew, could not contain any thing new, or different from what was in his other speeches which I had read. I purchased a dollar bond for Peninnah; and Frances had one for herself.

He remained with Mr. Hopkins over the Sabbath, and departed on Monday, Apr. 22. His wife, Mr. Pultsky and wife, & other Hungarians were here.

It is thought that the old meeting house had in it 2500 persons when Kossuth made his address.

\$536 dollars were received here for Hungarian bonds \$100 from Chauncey Clark, & 50 from another person, and some more I suppose in all about 700 dollars.

Flood Elsewhere.

The flood in the Merrimack was at the highest at 12 O'clock on night of 22d-23d. Said to be the highest ever known at Lowell. At Albany the flood began to subside before evening of April 22. About Winchester Mass. the flood was tremendous, on 22 or 23d.

Much damage done in Massachusetts & other parts of New England; and in Pennsylvania, Maryland & Virginia &c. about the same time.

Nashua river said to have been higher than for 30 years. Highest, afternoon of Thursday, 22d.

At Hartford, the flood was highest at 8 P.M. on Friday 23d. was 23 feet above low water mark, all below Front Street under water, & on both sides of street at north end. Highest flood at H. since 1843. Then it was 26 feet 2 inches above low water mark.

Rail Roads in vicinity of Merrimack and its tributaries were in many places under water, & in some places, undermined or washed away.

The Penobscot was frozen over 142 days, and broke up on Tuesday, April 20. Not by recent flood.

Destructive flood on the Ohio April 19, 20, 21. Water at Wheeling was 47 feet 11 inches above low water mark.

Sunday 25. Mr. Sessions preached. I attended A.M.

April 1852

Monday 26. Hadley meadow.

I walked over the Great Bridge & examined ~~the~~ where the flood had been in Hadley meadow, and the channel or gully cut out by the water a little beyond the bridge. The flood seems to have settled some three feet. I came home through the upper part of Northampton meadow (see Misc. 10. 168).

See Hadley Flood May 7. 1850 in Hadley 3. 60.

Farm Work. In Hadley meadow, many were cutting up broom corn; several were waggoning manure, and one team was ploughing - probably the first plough this year.

In Northampton meadow, north part, the same operations were going on, but not so many at work.

They cut up broom corn in Hadley, at the surface of the ground, with a hoe made like a bog-hoe but ground & made sharp, so as to cut off a till at a blow. They then rake the broom stalks together & burn them. I saw some blazes. In heavy corn a man will only cut, rake & burn an acre of broom stalks in a day. In lighter land & crop, will do much more in a day.

Tuesday 27. (Lund Judd) Hooker here.

L^ogs at Darnovers Mill - a very large number. Half of the whole or more are white pine; next are chestnut; third as to numbers are hemlock; 4th are Oak including white, red, scarlet, &c. next are yellow pine; then maples and poplar or white wood, only a few of these. Very many, knotty, crooked logs and many small ones. A considerable number of logs are two feet in diameter; a few are 2 feet 3 inches to 2½ feet; & there are a few chestnut logs near or quite 3 feet in diameter. But the greater part are small.

Chickweeds.

Stellaria media is the common chickweed that shows blossoms as soon as the snow is gone. Has abundance of blossoms in gardens & meadows. See May 12. 1851.

Cerastium (), the other chickweed is not so common nor so early. Is a rough, hairy plant. Is in garden, but no flowers observed. See May 12. 1851.

Other Weeds

Sorrel is the most common weed in the ploughed meadows now. The radical leaves are formed in autumn, & are reddish or purplish.

Shepherd's Purse is another weed now in flower in gardens and meadows. Stems some inches high. Leaves formed last year, & perhaps stem began before winter.

Wednesday 28. Frances here

Thursday 29.

April 1852

Thursday 29.

Vegetation.

Venus Pride is in blossom by the side of Easthampton road beyond South street. I noticed none elsewhere. none in Nathl Clark's pasture. May have begun April 27.

Liverleaf blossoms are abundant in N. Clark's pasture near Easthampton road. Color from deep purple to almost white. Some have a tinge of pink or purple, rather faint.

Adder Tongue. These blossoms are abundant at Fort Hill, but not half the buds are open yet. Bees on the blossoms.

Dutchman's Breeches at Fort Hill has an abundance of flower buds. Some almost in blossom. Will be in flower by May 1, i.e. a few.

Elms. The early trees are near full blossom. They have a little reddish-brown hue from the flower cups & stamens, & the foot stalks are greenish, & modify the color a little. Dark brown is the color of many trees the lighter trees not being yet distinct.

Slippery Elm. The clusters of flowers are opening, and the cottony scales between the flower buds are falling.

Great Tooth Poplar, above Damon's mill. The small catkins about an inch long do not yet droop. are dark brown, or slightly reddish brown. The female trees have small stiff catkins, about $\frac{3}{4}$ of an inch in length, and crooked.

Hazel Catkins are from 1 to 2 inches in length and are fully developed - brownish. The crimson stigmas of the male flowers are seen above the tremulous catkins.

Thimbleberry has small open leaves in the garden and some of the rebus genus has small leaves at Fort Hill.

Common Elder at Fort Hill has opening leaves, in a warm place.

The Black Currant has leaves beginning to open.

The illshaped Mountain Ash at Hinckley's } both have opening leafbuds.

The beautiful Mountain Ash at West's }

Dandelions are gathered for greens.

Skunk Cabbage has many leaves 4 by 5 inches and a few larger. Perhaps some are 6 by 7 inches, but these are rare.

Radical leaves of many plants that began last autumn are growing larger & becoming more numerous.

Clover seems to grow faster or make more show than the grasses.

Brook Willows are fully greenish catkins in blossom and full of humming bees.

Red maples. Some trees have begun to blossom. Leaves are a little reddish, chiefly from the buds.

English Elms are not so far advanced as others. Do not exhibit much change yet maybe near blossoming.

Silver Poplars at Mrs Isaac Clark's & Mr Wilson's have abundance of catkins, about $\frac{3}{4}$ inch long, & stiff.

The large Butterflies are plenty about Fort Hill and elsewhere. Their wings are now of a reddish brown color, but seem changeable. The edges light colored.

Snakes. I saw one striped snake today.

Bees are plenty on brook Willows & Adder Tongue blossoms.

Friday 30. attended funeral of old Mrs. Stoddard.
Boys have whistles from wood.

May 1852

Money Matters

1852 Receipts.

May 1.	Balance from Jan'y acc ^t or cash on hand	\$42.40
6	Cash of Cuthers, a 50 ^c for trunk repairs & balance 13.	0 50
13.	Interest on Richardson Halls Note 1 year to April 9. 1852.	18. 00
14	Interest on Col Elisha Edwards Note 1 year to April 18. 1852	15. 00
	Cuthers a repairs 50 ^c wife had 25 ^c — Rest sent to bro. J.	0. 25
June 15	Cousine Samuel Edwards paid on his note.	4. 71
18	Dr. Barret charges Interest on his note.	21. 00
21	Brother Johnson paid on his note	30. 00
July 5	Rec ^d Boston & Prov. R.R. Dividend of 1000	131. 86
7	Rec ^d for services \$1.	30. 00
14	Rec ^d of Isaac Speldon for Frances \$19.50.	65. 50
29	my April Dividend at N.H. Bank 45.00	227. 36
Aug 1	Brought back from Seaside 6.43. (if he had left 1.00. — sold stamps 9	7. 57
	Services 25 ^c Borrowed at Bank, Sept. 3 1850. rec ^d 59. 67.	59. 67
		<u>\$67. 49</u>

Expenditures —

May 1.	Paid Daniel Kingsley for pair of pantaloons.	5. 50.
5.	Family Lind ticket for Peninnah	1. 00
5	Eggs 40 ^c Wife 50 ^c Postage 5 ^c Cheese 19.	1. 14
10	Suspenders 8 ^c Graham meal 37 ^c Potatoes 13 ^c (crackers 7 ^c .)	0. 65
14	Veal 27 ^c Binding 2 books 83 ^c Pamphlet 12.	1. 22
18	Ferriage 18 ^c Coats for Gardening \$1.15. soap 10.	1. 43.
19	Garden seeds 26 ^c Fluid 38 ^c Calfs head 12 ^c Beans 6 ^c	0. 82
20	Con Record by Express from Mr. Ordwin 25. Butter 40 ^c	0. 65
	Beef tongue 37 ^c Tribune 3 ^c Penin. 20 ^c Sundry 9.	0. 69
22	Cash to Brother Matthews \$5. & paid Huntington for him 1.00	6. 00
22	Niece Almira Dawey to R. Road 13 ^c Butter 59 ^c ferriage 6 ^c	0. 78.
26	Peninnah 5 ^c meal 40 ^c Potatoes 21 ^c Tribune 3 ^c Seeds 11 ^c Cheese 6 ^c	0. 86
29	Lent brother Johnson 15.25. This and old note of 15.25	15.25
	Nov. 11. 1851. note \$20. & Interest 66 ^c made 35.91. new	
		<u>35. 91</u>
May 31.	Buckwheat flour 30 ^c Soap 20. Pine & wife 50 ^c	1. 20.
June 1.	1 Sheel 25 ^c Calico for wife \$1.06. paid Lee for Oil can 15 ^c	1. 46.
June 5.	2 qrs Shear pork fresh 10 ^c 3.05. 7 qrs Spare rib 63 ^c Salt 8 ^c	3. 76
9.	Peninnah for Bonnet 3.00. Mat 50 ^c Cheese 12 Dried apple 22	3. 84
10.	Graham meal 37 ^c paid Swift for prop shoe 2 & for mending 25	2. 62
11	20 Stamps 60 ^c Postage 5 ^c Westhampton Tax 1.08.	1. 73
12	Paid E. P Bartlett for making fence	20. 00.
16	Peninnah had \$4.84. Meal 21 ^c Yeast 5 ^c	5. 10
17	Postage of Pamphlet 17 ^c Apples 40 ^c Cheese 12 ^c	0. 69
22.	Town Tax paid \$5000 at 6.75.	33.75
	poll	1. 76
		<u>35. 51</u>
	5 per cent off.	33. 73

A school house tax

23.	Wife 35. Cheese 11 ^c Buttons 6 ^c Buttons 50 ^c Veal 6 ^c	1. 08
28	Westhampton highway Tax 34 ^c Binding books 28. 0.	0. 62
30	Crackers 8 ^c Postage for next quarter & box. 22. 0.	0. 30
	20 stamps for letters 60.	0. 60
		<u>11 4. 50</u>

July 2.	Paid Peninnahs Rail Road fare to Boston \$3. & to depot 15	3 15
	Lent Peninnah have \$5.50. Codfish 14 ^c Peas 25.	5. 89
5	Paid Frances Tax \$4.49	4. 49
6.	Paid my Parish Tax 9. 75 off 49, leaving 9. 26	9. 26
13	Graham meal 37 ^c Fish & Kib 6 ^c Cherries 10 ^c Postage 5 ^c Cheese 20 ^c	0. 78
19.	Mending Pail 10 ^c Peas 13. Stamps 60 ^c Berries 14 ^c Potatoes 12	1. 09
22.	Lent Frances have \$15. (This and her Tax balances to \$19.50. above)	15. 00.
28.	Horse & carriage to W. Hampton \$1.50. Salmon 16 ^c	1. 66
29	Paid Kimmy 4.50 towards fathers monument (or 90)	45. 00
30.	Oil &c 6 ^c Soap & Lard 20 ^c Potatoes 71 ^c Fish &c 15 ^c Sundry 17 ^c	0. 42
July 14	Sent \$2. in letter to Mr. Felt to pay for H & C Register.	2. 00
	(balance 24.12)	203. 24
Aug 3.	Left with wife \$2.50. Took with me 21. 62.	24. 12
	Spent \$15.14. Wife spent 1.50 — Remained 7.48 & 00	227. 36
18.	Lamb 52 ^c Berries 15 ^c Corn 13 ^c Cheese 20 ^c Butter \$1.00 Potatoes 17 ^c	2. 28
24	Washing at 138 50. Berries 12 ^c Cheese 18 ^c Kid 24 ^c Soap & crackers 18 ^c	1. 22
Sept.	Ferriage 18 ^c Watermelon 10 ^c Keeping Lane 33. 00 50. 63	0. 91
	Salmon 25 ^c Ham 20 ^c Potatoes 71 ^c Fish &c 15 ^c Wife had 8 ^c	31. 81
	Peninnah for 700 Lynn 320 Brother Matthews 100	31. 27
	Balance under Sept. Thermometer	\$67. 100

May 1852

Thermometer.

Saturday				Sunrise. 1 P.M. 4 P.M.		
1	2	3	4	5	6	
42.	54.	46.	Cloudy. Little Rain day & night.	N.E. & S.E.		
43.	55.	43.	Cloudy mostly.	N.E. & N.W.		
36.	58.	41.	Fair	N.W.		
33.	60.	45.	Fair	N.W. & W.		
31.	70.	56.	Fair & pleasant	S.E.		
36.	75.	56.	Fair & pleasant	N.E. & N.W.		
43.	83.	63.	Fair, warm, smoky.	{ Various, } S.E.		
46.	79.	59.	Very smoky, warm, sun behind smoke.	S.E.		
53.	78.	59.	1/2 cloudy, Thunder showers at 2 + 4 1/2 P.M.	S.W. & N.W.		
54.	76.	57.	Cloudy & some Rain at M. Fair P.M.	S. & N.W.		
43.	72.	60.	Fair & pleasant.	N.E. & S.E.		
50.	52.	48.	Rainy Day	N.E.		
48.	54.	50.	Cloudy	N.E.		
49.	55.	48.	Cloudy	N.E.		
47.	52.	50.	Cloudy	S. & S.W.		
50.	72.	62.	Cloudy mostly	S.E.		
52.	72.	61.	Mostly Fair. Some Clouds.	S.		
46.	61.	48.	Fair & pleasant	N.W.		
35.	71.	58.	Fair & pleasant.	S.E. & S.		
48.	64.	47.	Fair, windy, cool.	N.W.		
39.	68.	57.	Fair & pleasant.	N.W.		
42.	80.	64.	Fair, mostly, Some haze.	S.W. & N.W.		
54.	76.	62.	Fair in p.m. Hazy.	S. S.E.		
54.	75.	62.	Fair mostly, smoky.	N.E. & S.E.		
55.	73.	50.	Fair & pleasant.	N.E. & N.W.		
44.	72.	58.	Fair & pleasant, some haze	N.W. & S.E. & S.W.		
51.	65.	62.	Cloudy.	S.E.		
56.	73.	61.	Fair & pleasant.	Southerly		
55.	70.	63.	Fair 1/2. Cloudy 1/2.	S.E.		
60.	68.	55.	Fair & pleasant.	N.W.		
43.	69.	57.	Fair & pleasant.	N.W.		
1438.2102.1708						

Temperature

At sunrise	46 ¹² / ₃₁	} Average 56 ⁴⁰ / ₉₃
At 1 P.m.	67 ²⁵ / ₃₁	
At 9 P.m.	55 ² / ₃₁	

May has been warmer than all the May's but three since 1838. I do not understand this. It has seemed to be cool. Yet vegetation is at least 15 days nearer 1851 than it was May 1st great gain, showing that May has been warmer than usual. April was cold,

May 1852

Saturday 1. The Season.

Snow has nearly all disappeared from the mountains and hills that are visible; but it is said there is much snow in the woods, in the hill towns—much in Vermont & N. Hampshire.

Flood. The water in the river continues to be high. Since last week, it has fallen and risen according to the weather. I believe it has never fallen more than 5 feet, if so much, since Friday last, till yesterday. It is now near 6 feet below what it was then. The South meadow & much of the north cannot be cultivated at present, owing to water and wet ground.

Forests. Their aspect is wintry; none of the greenness of spring appears on the hills and more distant. In the valleys the elms and white & red maples show some change.

The Grey & Silver Grey of the deciduous woods of Horn & Holyoke in winter & early spring, continues with little change of hue. The leaden color is more distinct in places, and then is a slight, and hardly perceptible purplish or reddish brown hue in many places, which is affected by the position of the sun.

Grass grows some, and road sides, mowing, &c. become more green; but the growth as yet is small. Common pastures are mostly brown, or but little changed. In general, there is no grass feed for cattle; no animals, important. Some sedge grasses at Fort Hill & elsewhere have grown several inches. In rich spots in homelots, &c. grass is quite green.

Greenness. Trees are green. Of shrubs:

Gooseberry bushes are the most green of any one species is full of leaves & quite green, & a rather kind is considerably green.

Siberian Spiraea has the largest leaves of any plant. Some are 1 1/2 inch in length & more, with many leaflets. The bushes are less green than gooseberry.

Missouri Currant. These bushes are fully of small leaves, & in warm, early situations are considerably green.

Trumpet Honeysuckle, has colored leaves 1 1/2 long and 3/8 wide, but they are not green, & do not make any show.

Then four are the most forward shrubs as to leaves.

Lilacs are greenish with opening leaves. The leaves of leaf buds & flower buds are not open, except some outside leaves. The ends of buds are purplish, or the leaves are purplish at ends. Some bushes in warm places just begin to show the purple flower buds, the ends having opened a very little. — White lilacs not so forward.

Trimbaleberry has small leaves in garden & elsewhere. Others of rubus genus have opening leaves, in some places.

Crab Apple has opening leaves (Willistons) & some are open enough to show the small flower buds within.

Willows yellow & Weeping — have opening leaves.

Syringas

Com. Currants

High Rose Bushes

Meadow Sweet

} These have green buds near opening, and some are opening.

Japanese Quince has opening & a few open leaves & red flower buds.

Viburnum Lentago, has long thin leaves around flower buds.

Mountain Ash. Some trees have opening leaves. See 29th.

Horse Chestnut A tree at late Hunt Wrights, Bridge St. had opening leaves April 30 — buds had burst. There may be a few others such.

May 1852

Saturday 1.

The Season - continued.

Garden Flowers.

Snowdrops are gone. Very few are here at any time.

Proculises - are quite plenty have been out since April 10.
many are wearing - some are fresh.

2 Affodils - began to blossom April 26. Are now seen
in many gardens, but only a few flowers are yet
open in my garden.

Hyacinths - began to blossom yesterday at Laurences & Briggs.
Not many blossoms out yet.

Primulas - blossoms first observed April 22 at Calbot's.
Have increased some, but not many open yet. None seen
except at Calbot's.

Alexandria. Blossoms began April 22. Bushes are quite
gay, are nearly full blossom ^{or quite}. Leaves begin.

Shepardia at Dr. Allen's - began to blossom April 30 - 26
days later than last year.

Violets. The blue sweet scented Violets (exotics) have been
in blossom one or two weeks. Are fragrant some feet
distant from their beds.

Violets. Blue & tricolor have long been in blossom in gardens.
The blue is near a dark purple, or some are.

Infant's Breath, or Hyacinthis with little round bud or blossoms are
seen - perhaps H. racemosus, or Grape Hyacinth.

Wild Flowers

Those already noticed are Goltfoot, Trailing Arbutus,
Adder Tongue, Early Saxifrage, Liverleaf
Crimson Pride, Dutchman's Breeches, Chickweed,
Shepherd's Purse, Thrift, Cabbage.

Blood Root. Those at Capt. Dammers began to blossom April 29.
Those at Fort Hill have probably begun to blossom (beginning April 2).

Red Anemone } I have not seen a flower of either. I
Wood Anemone } conclude they have begun to blossom.

Rhubarb in our garden showed the round ends of
buds some days since. Some small leaves appear at
the side of some buds - 1 inch & 1/2 inch long.

Bloody Dock near our house, S. side, has leaves 1 to 3 inches
long.

Ice Peony has opening leaves of considerable length.
Common Peony has risen 3 inches above the ground,
Crown Imperial. The stem is 15 or 16 inches high as some gardens.

Catkins - of Alders, Brook Willows, Poplars of several kinds,
& hazels, have been noticed.

Birch Catkins are yet small stiff & scarcely opened.

White Maples have lost their flowers; at least the staminate
ones are gone. Leaves not open - hardly opening.

Red maples make much more show than white ones,
and in blossom more or less.

Elms, Maples, &c. in the meadows, seem to be more forward
than those in the village.

Bladder nuts have buds a little green at end - not yet opening.

Hackmatack, in village, shows the green of the leaves, very little, and
small brown bunches that belong to the inflorescence.

Scotch Larch is a little more forward than Hackmatack.

Field Horsetail has put forth its fertile stems from 2 to 6 inches
high, with spikes or heads at the tops, on the rail road. Plenty.

Wild Cherry, smooth bark, has opening leaves.

May 1852

Saturday 1. The Season continued
Vegetation is about as it ~~was~~ ^{a little later, 1 day or so} in 1847.

It is 23 to 26 days later than May 1. 1851.
in some things 26, in most 24 or 25 days later, in some only 23.
It may be considered a very backward season,
but does not "beat all," as some folks say.

Gardening. A few have made gardens & sowed seeds
but in general, gardens are not begun, or
only just begun.

Ploughing. Some dry uplands & a little in the meadows
have been ploughed, but in general ploughing is
yet to be done. I have heard of no sowing
or planting in the meadows. A little of both has
been done on upland - not much.

Manure. Piles of manure increase in the meadow
daily, wherever waggons can go.

Birds. Many kinds are about. I notice that
the speckled woodpecker makes a noise by tapping
on the trees. Perhaps others do.

We w. first heard this morning.

Swallows. I have not heard nor seen a barn or
chimney swallow. Others heard & saw chimney swallows to day.

Martins. I think I have heard these; am not certain.

Blackbirds are very plenty & very noisy in the meadows,
both crow blackbirds and red-wings.

P.S. Swallows were about chimneys & houses about
sunset May 2, as I saw. 20 or 30 of them. They
appeared at the same time or near night the day
before, May 1, when others first saw them.

P.S. Barn Swallows are here - but not about the village much.
P.S. Cliff Swallows. Solo Warner says they came about May 3. Martins earlier.

Sunday 2^d. A man from Michigan preached
very plain in his appearance. He preached
on a sinful conformity to the notions, practices
and fashions of society, from motives of popularity and
interest - a consulting expediency instead of the Gospel.
He had a good text - the words of Naaman when
he wished to be pardoned for bowing down in the
house of Rimmon. He wished to worship the true God,
and yet to retain his office & power, he desired to con-
form somewhat to idolatrous practices.

Monday 3

Tuesday 4

Wednesday 5 First springlike day

Thursday 6. Second warm day.

Brother Samuel Hall here last night & to day.

We sat without fire in the evening for the first time
this year.

Fanny (Linel) Goldschmidt gave a
singing in the evening in New Town Hall.
Over 100 tickets sold, some at \$2, most at \$1.

P.S. All seem to be delighted, satisfied. Peninnah
and Frances attended.

She & her husband have resided on Round Hill
some months past.

May 1852

Thursday 6. Vegetation.

Two warm days, yesterday & today, have made some advance in vegetation.

Early Tulips. One flower open in Bright's garden.

Apricot. A few blossoms on a tree close to Mr. Lawrence's house, and on a tree close to Moses Breck's house, & doubtless on other trees thus situated. Came out to day. Mr. Shepard's trees not in blossom [but began May 7], & others elsewhere.

Daffodils are very early. Blossoms numerous.

Hyacinths are now in plenty.

Shepardia, in full blossom or a little past. Leaves opening.

Corn. Currants have open leaves & clusters of flower buds.

Apple Trees. Some show open leaves around bunches of flower buds. - others, not so forward. Not greenish yet.

Crab Apples, a little more advanced than common apples.

Pear trees show large bunches of buds with leaves around them hardly open yet, but rather close.

Eng. Cherry. Some leaf buds open. Leaves around flower buds not open.

Early Goosecherry - has flower buds almost open [Opened May 7]

Syringa & both have opening leaves - some open.

Ornamental Flower
Lilacs have open leaves - clusters of purple flower buds are spreading. Some bunches are 1 1/2 inch long, but separated into several smaller clusters.

Red maples seem like in full blossom - are red, but not so red as the seeds will make them, perhaps.

Sugar maples - have enlarged buds only.

Elms. Blossoms are falling, & from some trees the whole inflorescence. Most flowers remain with green pedicels 1/2 inch long, and some 3/4 inch, a reddish brown cup or calyx, and purple anthers. The pedicels and green leaf buds give many trees a slight hue of brownish green, or greenish. Others show more of the reddish-brown. In general both are mixed.

English Elms are in flower make no show.

Yellow Willows. These are quite green or some are, the green is pale, or slightly yellowish; the yellow is probably belongs to branches. Leaves an inch long or more, & catkins as long.

Weeping Willows have catkins & leaves 3/4 of an inch long - are greenish, but less green than the yellow willow.

Horse Chestnuts. Some early trees at Pina's, Abbott's, and Mrs. Wright's (Bridge Street) have leaves open & spread & pyramids of flower buds 1 1/2 inch in length. Others have opening leaves; others only swelled buds.

Mountain Ash. A few trees have open leaves - at Buckley house, at West, &c

Wild blue Violets are in blossom in Mr. Shepard's lot; may have begun yesterday.

Abortive Snowfoot. is in blossom in same lot.

Periwinkles begin to blossom May 6 or 7.

Our dear Life Everlasting, has been in flower sometime.

Orioles. Their soft notes first heard, May 7.

Eggs are now sold at 12 1/2 cents a dozen.

Frogs now make their trilling noise; by night & by day.

Chipping Birds are here.

The Season is about 23 days behind 1851. in some things 24 days. Is about 1 day behind 1847.

Friday 7. A very warm day. 3 warm day

May 1852

Saturday 8. The Season continued.

Vegetation differs very little from 1847; and is 10 to 13 days later than in 1851. Is about as backward as it was April 26. last year: but in some things, April 26 last year was full 2 days later than this year - in others not so late.

This is the 14th warm day. The change in Vegetation is rapid.

English Cherry, at Wells house, has blossoms near the house and 10 feet from it. [2 blossoms at Shepard's May 9.

Common Currants just begin to blossom. [Many blossoms 9.
Missouri Currants, next to buildings, & Graves, &c. are in blossom - probably were yesterday. Others not quite in blossom. (many cut May 10.)

Dwarf Iris has blossoms at Mrs. Dwight's.

Primulas (different from those at Talbot's) are now in blossom in several gardens - just begun.

Daffodils. A few white, long cup daffodils, are in blossom, but nearly all are yellow. May 10 some short cup white ones.

Early Meadow Blue at Fort Hill begins to blossom. A few plants show long yellow anthers - others not so forward.

Dutchman's Breaches, Broad root, & Early Saxifrage, have flowers in abundance at Fort Hill.

Adder-tongue is on the wane, but flowers plenty yet at Fort Hill. Abortive Crowfoot is in blossom at Fort Hill & many other places.

Baneberry at Fort Hill has stems 10 to 15 inches high, and shows some clusters of flower buds.

White maples have put forth leaves, & show them - greenish

Red maples. Some trees have open leaves, and not much else. Forward trees have red pedicels from 1/2 inch to 1 1/2 inch in length, & trees are becoming showy. The leaves are the most forward where there is little or no fruit inflorescence.

Sugar Maples had some open leaves yesterday and to day many show leaves, and many do not. Some trees have put forth many sterile flowers on hairy pedicels, 1 inch to 1 1/2 inch long or 2 inches, - flowers yellowish green, came out yesterday or perhaps not till to day, not fully developed. Sterile flowers may be out.

Striped Maple at West's, has long reddish buds, some of which are opening & a few are open enough to show leaves & clusters of flower buds. [May 10, leaves fully open.

Cocowood, alternate leaved, has open leaves and shows clusters of flower buds.

Bladderwort shows buds composed of leaves and flower buds, not yet open, except at end.

Beech trees at Fort Hill are in different stages. Many have begun to burst their long buds and show leaves, or leaves & clusters of flower buds. In general, not so forward, & not yet ragged with bursting buds.

Bass Trees at Fort Hill - some small ones have opening and open leaves, large ones not so forward.

The Carex, that is early, is in blossom at Fort Hill and has been 2 or 3 days or more. Inflorescence yellowed.

Blue Violets in blossom at Fort Hill & in the S's front yard.

May 1852

Saturday 8. Vegetation—continued.

Shadblow at Doct. Thompsons begins to blossom today. 2 trees in blossom at Mansions house may have begun 7th.

Spice Bush at Wests has yellow blossoms.

Hornbeam at Fort Hill has small leaves and catkins $\frac{1}{2}$ to 1 inch in length.

Iron wood at Wests has small leaves &c. catkins $\frac{3}{4}$ to 1 inch in length.

Wild Cherry at Fort Hill—all sorts then are in leaf. The dwarf or low species has clusters of flower buds; and the smooth bark has buds (not removed) almost ready to blossom. The tall rough bark not so forward.

Dandelions. Observed 2 blossoms one back of Edwards Church, and one back of Choprows. ^{Especially at Brights delaware near 10.}

Venus Pde. Blossoms show themselves in snowings a little—not plenty.

White Wood or Tulip Tree—buds have shot forth a single small leaf. [2 leaves at Wests, 10th.

Horse Chestnuts—most of the trees have put forth leaves and are greenish. Some not open.

Mountain Ash—most as horse chestnuts; some not quite so forward perhaps—about paripassu.

Apple Trees. & other Fruit Trees.

Grass Apple & Flowering Apple are quite green.

Common Apple Trees are many of them greenish at some distance, & others brow by. Others hardly greenish.

English Cherry Trees are generally greenish with leaves. Do not yet form a great growth.

Pear Trees have bunches of leaves & flower buds, ~~and~~ are greenish, somewhat.

Quince Trees have opening leaves & some open.

Plum Trees generally have only green buds.

Barren Plum Trees—are almost ready to blossom.

Peach Trees have had a hard winter & seem injured. Show neither leaves nor blossoms. Will not blossom much.

Greenness. Grass in meadows, hornelots, roadsides, &c. is generally green, & some vividly green. When land is good.

Willows, yellow & weeping, are the greenest trees in the village. [Black Willows green.

Green Shrubs are Lilacs, Snowberry, Syringa, Siberian Spiraea, Gooseberry, Currant & Missouri Currant, Trumpet Honey suckle, meadow sweet, Twin flower, Scotch Larch.

Greenish shrubs—are Snow Ball, Barberry, Persian Lilac, & others—Japan Quince.

Butternut Trees have opening leaves & catkins. Some open.

Elms are but slightly greenish. Some small trees have leaves; & larger ones, without fruit have opening leaves. Some trees have shed their blossoms, the reddish cup or calyx remaining and have the green winged seed vessels, to grow on. Others are less advanced.

Slippery Elm is less forward. Blossoms generally remain. No leaves.

Shad. Over 600 from Sawbrook sold by one man this week. & many by another—20 to 33 cents & some higher. Many are sold at 25 cts, but these are hardly middling as to size.

May 8, 1852.

Saturday 8. — Vegetation — continued.

Silver Poplar — the trees with catkins are now greenish with catkins 2 to 3 inches long; & small leaves appear on some trees.

Great Tooth Poplar at Fort Hill. The male reddish catkins are falling; are 3 inches long or more. The female catkins remain and are green & 3 to 4 inches long; make trees greenish. The male trees are some distance S. of the others.

White Poplar. The female catkins 3 inches long, or four, green, hang gracefully. Male catkins have probably fallen. Small leaves open.

River Poplar. Did not notice the redish male catkins. The female trees are full of long, green catkins or catkins now 3 to 5 inches long, like a stem with flower buds & flowers along its sides, resembling a raceme. Leaves are open on some trees or all.

Rubus genus. Thimbleberry, Tall blackberry, and English & American Raspberries are all in leaf. Also maple.

Hawthorn } Have opening leaves & open leaves
Buckthorn }

Rosebushes of several sorts have leaves.

Skunk Cabbage at Fort Hill has the largest leaves of 12 inches. Very few so large.

Poke Root has stems 10 to 16 inches high.

Red Oaks at Fort Hill. A few buds are opening.

Aster. Most of trees show a plenty of small dark colored bunches. Some have leaf buds near opening.

Asparagus — shows itself above ground at Mr. Shepard's. may be earlier in some gardens.

Alders & Witchhazel have opening leaves. (Many have open l.)
Matrimony vine has small leaves.

Italian John's wort, or Spiraea hypericifolia, has opening leaves, or small leaves. (Called Prim.)

The true prim or privet has opening leaves.

High Cranberry has opening leaves.

High Whortleberry at West, has opening leaves; & flower buds.

Field Horsetail. Stalk green stems are plenty on Road 1 to 7 inches high. Fertile stems remain, some 8 inches high.

Vegetation in a week has gained About 12 days upon last year. — A strange jump forward, and very unusual.

Worms nest. I have not seen one on trees.

Catbird. I heard & saw one.

Brown Thrush first seen & heard by me. The old song — plant corn, plant corn, &c.

Bobolink. I heard one at the house, May 9, I think.

Kingbird — I saw one May 10.

Scarlet bird with darker wings. I saw it May 10. Tanager I suppose
Brown Thrush called "Corn planter" by a W. S. Ringfield man. Representing it W. S.
"Rocky mountain Swallow" he calls the Cliff S. — has been in W. S. but 3 years. I saw it May 6.
One man has 5 nests under one roof. Sp. Rep. etc.

May 1852

Sunday 9. same preacher as last Sabbath.
Son E. Parkman arrived last night.

This is the 3th warm day.

2 Showers P.M. with Thunder. One very heavy shower.
The rain makes grass look very green, and some foliage.
S. E. Parkman left us for Chicago, N.Y. Sunday morning 10th.

Monday 10.

Vegetation has advanced considerably since
Saturday. The rain makes things look revived.

Chestnut Trees at Fort Hill. Some have leaves a full
inch in length, E. side of Hill. S. side not so forward.
Largest trees not in leaf.

Oak Trees at E. Fort Hill. Red oaks have leaves
an inch in length or near that - a little reddish.

Beeches. Some quite green, others have not open buds.
with catkins showing

White Oaks show only buds.

Celtis Trees, below Maple Street, are full of green
buds in clusters, which seem flower buds in an
incipient state, not fully developed.

Yellow Birch at Fort Hill is full of small leaves
and some have larger leaves & quite green.

Black Birch at Fort Hill has only opening leaves.

White Birch (deltoid leaf) has opening leaves and
dangling catkins, 1 1/2 to 2 inches long. At West.

Sumnac on Rail Road has opening, reddish leaves.

Thornbushes have some open leaves & show flower buds.

At Round Hill.

Chestnut Trees. Many small ones & a number of large
ones have leaves 3/4 to 1 inch in length, or a trifle more.
Lower limbs of large trees have the largest leaves. Upper
limbs do not show leaves yet. None are green at a distance
I think.

Oaks. Some scarlet & other Oaks have small leaves & catkins
Some have only buds swelled, or opening.

White oaks. No open leaves - but some will be open in
one or two days. Some catkins visible 3/4 inch long.

English Oak at John's is full of large buds not open. Those
at Brights not so forward.

Pignuts have large buds, and some have burst & disclosed
the small leaves, not yet spread.

White Birch (deltoid leaf). East of Hill, some trees have catkins
2 inches or more in length, & leaves fully open. Back of
the hill, they have no leaves yet.

Sassafras close to House at Round Hill is full of
flower buds - not open but will soon be open.
No leaves appear.

Bass, American, at Tallbots, has opening buds & a few leaves
that are open. Most of buds not yet open, but will soon be.

Bass English, or linden, is not so forward as American
but has swelled buds, & some near opening.

Flowering Dogwood at Brights shows clusters of all
flower buds, with the four floral leaves or involucres.
The latter are yet quite short & not white at all.

Tulip Trees have two leaves from a bud, and sometimes have
buds with three leaves, and others with two leaves or one.

May 1852

Monday 10. Vegetation continued.

Moss Pink, so called, has blossoms at Mrs. Woodward's.

Barron Plum Tree at Hopkins, began to blossom today. ^{Edw. Shepard began May 11.}

Leucogam vernum or snowflake is in blossom at Bright's: at other places May 11. 12. 13.

English Cherry Trees in some parts of village, promise a full blowth. Many trees have a few blossoms out & one in South Street, this side the hill, is considerably white (at Kingsley's). ^{much increase May 11.}

Peach Trees. Some about Round Hill will have some blossoms. One or two blossoms open at the house of R. K. Wright. - May 12. some on a limb close to roof at Mr. Shepard's.

Crown Imperial is in full blossom near Joy's; - and one near 5 feet high - Miss Polly Pomeroy's out also; 2 feet high.

Rhubarb. Joy has Rhubarb leaves 12 inches long and wide, and stems a foot in length. Ours very much smaller.

Trees at a distance.

Trees in Hadley, as seen from Round Hill, are generally greenish, reddish, reddish brown, &c. as Apple trees, Sugar maples, elms, Red maples, &c. Colors not bright & much brownish or dirty color mingled with the green, red, &c.

I walked down the Rail Road to Hockanum Island P.M. I found that the apple trees & others at Pascommuck, Hockanum, Northampton Meadow had much of the appearance of those in Hadley - greenish, reddish brown, & brown.

The Trees along Mill River, as White Maples, Elms and others were greenish, with some reddish &c.

Deciduous Trees on the Mountains as seen from Rail Road. They differ much in clouds & sunshine, & in the different positions of the sun. Did not appear in P.M. as in A.M. There is much of the grey still remaining but it is changed; is less silvery. Various hues may be noticed - chestnut, slightly purple, a faint reddish-brown, &c.

Sun May 15. Green appears to day among the deciduous trees, and some light colors. The white ovate leaf birches, show green leaves, more or less of them, on both mountains. In the Oak regions there is some very faint green & some light colors. Maples may add some to the green. - I could not see the mountains ^{colors} on Saturday, because of smoke.

Panicled Elder on Rail Road is full of panicles of buds - some quite small, & some large & spread - part purplish & the others green.

The River rises some by the warm weather and Vermont and N.H. snows. Has risen 6 inches to day. Is now only 5 feet below top of abutment. A large portion of S. Meadow & some of N. meadow cannot be ploughed.

The Season is now about 1 day forward of 1847; and 9 or 10 days later than 1851 - Is about as May 1. 1851. & May 7. 1848.

May 1852

Tuesday 11

Wednesday 12.

Thursday 13.

Friday 14

Saturday 15. Vegetation &c. Flowers.

The progress has been slow for 4 days or since the 11th day

Tulips. The common kind have a few blossoms at Bright's.
Not noticed elsewhere.

Barren Plums are in full bloom.

Other Plums began to blossom May 13. have slowly increased.
Meadow Plums, in meadow have leaves & flower buds.

Pear Trees. A few blossoms, appear to day.

Eng. Cherry Trees in general have but few blossoms. I see
no white trees, or trees white with blossoms. Some
may be whitish.

Peach Blossoms. Most trees have none & will have none.
Some trees have a few blossoms. Many trees seem
half killed by the winter - have a desolate appearance.
(perhaps before May 12.)

Snowflakes are somewhat plenty, i.e. the flowers.

Wild Cherry, smooth bark, is in blossom at Mansion
House - probably was yesterday. [At Fort Hill, May 17.]

Apricot blossoms are falling.

Japan Quince. A few blossoms open at Talbot's. Some
were half open at Mr. Shepards. Some open at Mr. S. S. May 17

Elm Trees are shedding their barren blossoms. The
ground covered with them. Trees have small leaves.

Double Cherry has its double blossoms at Round
Hill house.

Saxafra at Round Hill, closely house, begins to blossom.
(not so forward at West.)

Wild or Mountain Thyme (flower) has been in blossom
some days at Round Hill.

Shad bushes a very white in & near the village.

Wood Anemone (one flowered) is abundant at R. Hill.

Garden Strawberry begins to blossom

Wild Strawberry also begins at Fort Hill.

Leafing.

Trees & shrubs generally about the village
are green or greenish, but there are
several exceptions, as noticed in past
years.

Colethra has open leaves

Smoke Tree has opening leaves.

Chesnuts at Round Hill & Fort Hill generally
have small leaves - rather more forward at F. H.
than at R. H. The green is quite brownish at no
great distance, & at considerable distance would
appear quite faint or not at all.

Oaks (except White Oaks) generally have leaves at R. H.
and F. H. & have more color than Chestnut, but it
is faint & dirty - greenish, reddish-brown, &c.

White Oaks. A few have leaves as large as a
mouse's ear: others have only swelled buds.

Birches of four species are in leaf at R. H. & F. H. viz. yellow, 2 species
of white, & black. Black birch is the latest & large old trees later
than others. Birches on lean soil are later than others.

English Oaks at Bright's - some have opening leaves - some changed but little.
Some are open.

May 1852.

Saturday 15. Vegetation, &c.

Food, & Meadows.

The Meadows are still troubled with high water. Yesterday morning it was only 5 feet below top of abutment; to day it is 6 feet below.

Teams with manure are plenty in both meadows, especially in the northern one. There is some ploughing, & doubtless some sowing & planting in higher parts of N. meadow.

There is ploughing & planting on uplands.

Mountain Forests—seen from Fort Hill.

Green Birches appear on the mountain sides; and apparently a few aspens; where oaks are plenty there is a dirty greenish or reddish brown color, and some light colored tops—Chenut region is not yet greenish, but has changed color within 3 or 4 days. — Probably black birches on the mountains have not yet open leaves.

see May 10

Grasses.

Poa annua has shown panicles ever since the snow went off, or since a day or two after, in our garden.

Anthoxanthum odoratum or Vernal Grass has shown panicles, or panicle spikes two or three days, near the house (little Shepard's) and in some mow-ends. Some white anthers appear or white filaments.

Poa pratensis, shows part of panicles on the bank close to south side of Mr. Bliss's house. I have not seen any panicles elsewhere—nor anything indicating that panicles are near.

Luzula campestris is in flower—perhaps has been some days.

The season is now from 5 to 8 days later than last year as to most plants. Some vary more. Some less from last year. Plants leafing or blossoming together one year may differ considerably the next year; those 5 days apart one year, may be only 2 or may be 8 days apart another year. Generally however the comparative difference is not so much.

Vegetation seems about 1 day later than in 1847—differs little from 1843. —

Vegetation today corresponds very nearly with May 15, 1850. — Indeed, May 15, 1843, 1847, 1849 and 1850, differ very little from May 15, 1852.

Even May 15, 1850.

P.S. Fruit trees are not so forward as in 1850.

Maples. Hard maples are some very green; others green & greenish, & a few with buds unopened. These are greener & have larger leaves than Red Maples. Some Hard Maples have large leaves and show as much green as any trees in the village. Blossoms are not plenty.

Elms are generally green with leaves, or greenish. English Elms have small leaves & opening buds; are but little green.

Slippery Elm are green chiefly from the seeds; have some small leaves.

Sunday 16. A Mr. Bullard preached

May 1852.

Monday 17. Vegetation, &c.

Apple Trees. A very few blossoms appear on some trees near Maple Street & Fruit Street; on one tree at Fort Hill on the steep bank; and on one or more trees in Round Hill orchard below house.

A larger number of half open blossoms appear Grac Apple. Not quite as forward as a few common apple trees. Some half open blossoms at Wests and at Willistons.

Pear blossoms have become quite plenty - not full.

Plum blossoms increase daily. Mr. Shepard's damson or purple plum began to blossom today.

English Cherry blossoms are falling. Do not whiten the village as usual at this season.

Blue Violets wild, are very plenty in snowings. Some spots almost blue with them. The dotted violet

Dandelions, are common, but seem not fully out.

Veronica serpyllifolia, begins to show blossoms. ^{in Mr. Shepard's yard 19th.}

Ash Trees generally show small leaves or opening buds. The black bunches are turning green & spreading.

Hornbeams. The male catkins are mostly fallen, and female ones begin to show themselves.

Silver Poplars have just shed their long catkins. The ground is almost covered. Their leaves are light colored.

Meadow Plums began to blossom May 18.

Shagbarks in meadow (young spreading trees) show leaves & catkins. May 18. & probably 19th.

Old kind of Cherry has had blossoms a day or two.

Time for Corn Planting. The proper time has arrived, whether we regard the first apple blossoms, or the leaves of oak as large as a mouse's ear. Some white oaks ^{white} had such leaves on Saturday, but very few until today. ^(see May 17, 1850.)
First Apple Blossoms are 7 or 8 days later than 1851.
First Mouse-ear white Oak leaves are only 4 or 5 days later than last year.

Frogs. The peeping is heard - also the long trill, and the short trill - no bull frog noise. There is much of the short trill, from frogs in or near the water; & the noise seems frequently to come from trees. It thought to indicate a storm. Much of it last evening & this evening. Sounds to me like a noise I formerly attributed to woodpeckers in the evening.

Humming Bird. I saw one today about peach blossoms.

Night Hawk. I heard the peck one ^{heard also May 19, 20, 21.} last evening.

Scarlet Tanager, or a red bird, with dark wings, I see almost every day.

Notes of woodbirds are heard in the woods.

Chewink heard May 19, at Round Hill.

Cows. The grove under Alexander Wright was turned into the highway today for the first time. I have hardly ever known them turned out so late.

Shad caught at S. Hadley Falls today - perhaps before.

May 1852

Tuesday 18 N. Holyoke, &c

P.M. I walked to Hockanum with Frances, Peninnah, and brother Matthews daughters. I ascended the mountain; they did not. We all took tea at brother Johnsons.

The Meadows.

The Flood has gone down to 9 feet below the top of the Rail Road abutment, but water still stands in many hollows, & much land is wet or moist. No work can be done in Parsons's and Lyman's Swamps, at present. On Hockanum Road, many farmers are ploughing, planting & sowing on the higher lands, but other lands besides the two swamps mentioned, cannot be ploughed yet.

Rye on this Road is from 10 to 15 inches high.

Grass every where looks finely - is fresh very green, smooth & velvety, at a little distance. No Englishman's lawn has a better appearance. It is now all of one color, or nearly so; no herbs, no heads, spikes, panicles or flowers variegate the hue - all is "gay green".

The meadows appear well from the top of Holyoke. - Grass very smooth, soft and green, and grain similar. Water in many low places. The higher or ploughed meadows are composed of strips of grass land & ploughed land. That ploughed this spring has a different color from that unploughed, or ploughed in the fall. I judge that more than half of the ploughed land has been ploughed this spring in the North meadow - in the high dry parts considerably more than half. The ploughed land, not laid down to grass, is all brown, whether ploughed last spring, last fall or this spring.

The lands (pastures, &c.) on the hills west of Northampton, & in other directions, are green, or greenish.

Much ploughing has been done in Hadley meadows and uplands.

Ms. 14.328. Weeds - on last year's corn and broom corn lands, are - Sorrel more than all others; Shepherds Purse; Rough Chickweed, & another smooth plant; Three leaf five finger; Horsetail; Dock; Plantain; Barberry; Clover; Grasses; Canada Thistle, Wild Radish. - Annual weeds begin to show themselves abundantly in spots - are very small as yet - come from seeds.

May 1852

Tuesday 18. Mt. Holyoke, &c.

Trees on the mountain are generally in leaf, but there are some exceptions which will be noticed;

Oaks, except white oaks, have almost all put forth leaves & many show catkins. Leaves are of various hues, reddish, yellowish, whitish green & greenish, & these hues are mingled.

White Oaks in pasture & near lower edge of woods have small leaves; those on the higher parts show only buds, in general.

Chesnuts. Almost all, on all parts of the mountain, have put forth leaves—generally quite small, but some larger. Yet very few trees appear green or even greenish, (except in or near pasture) when one is a few rods from them & none appear green half a mile, or a mile or two distant. A few trees do not show leaves.

Maples. Some are quite green; others greenish with small leaves; and some have no leaves yet. One tree was full of blossoms without leaves. In general, but few blossoms. Hard or sugar maple is intended. I saw no red maples. Some leaves are reddish. Small trees are full of green leaves.

Striped Maples have large leaves and strings of flower buds.

Spiked Maples show only leaves, & spikes an inch long.

Bass Trees are generally in leaf.

Iron Wood Trees have leaves & catkins.

Ash Trees some have only black bunches; some have leaves opening; some have only green buds. Some small leaves are seen.

Butternuts have small leaves.

Walnuts from the bottom to the top are in 4 states or stages; 1. Some trees have small buds; 2. some have large, long buds; 3. some have buds opening but not open; 4. some have small leaves & disclose catkins. There may be two or three species of Walnuts. Some are pignuts & some seem shagbarks.

White Birch (ovate leaf) These are all in leaf from bottom to top—many are of a vivid green.

Black Birch. These trees are not so forward as the white—many have quite small leaves, & a few hardly any leaves. Many are green or greenish at a distance, some not.

Flowering Dogwood. This shows its four floral leaves, greenish & reddish, & not yet white; and within them, a bunch of flower buds.

Alternate leaf Dogwood has leaves & bunches of flower buds on the side & summit.

Silch Hazel; leaves as elsewhere & the calyx &c. of last autumn leaves become smaller in going up the mountain but the difference between top & lower part is not great.

May 1852

Tuesday 18. Mt. Holyoke &c.

The Summit & near it.

Oaks are generally in leaf; Ash opening;
Walnuts with only buds; with opening buds;
and open leaves. — A. L. Dogwood with leaves & flower buds
Gelsemium scandens is in leaf.

Ampelopsis has put forth leaves

Celtis Tree has a few green buds — seems dying.

Shrub Oaks have bunches of green catkins — no leaves
Sumacs have leaves out.

South, S.E. or Backside of Mountain —

The Oaks, Walnuts, &c. near me were like those
on the summit. — Oaks with greenish, reddish
or yellowish leaves, small, & Walnuts with buds
or small leaves, buds small & buds large

Greenness. The top & backside have
not foliage enough to appear green at
a distance, in the Oak & Walnut region.
I could see the backside & summit of parts
of the mountain range, far to the east, and
except evergreens, they are grey, brown
reddish-brown, faintly purplish, dirty green, &c.

The greenness in the front or N.W. side
of the mountain comes chiefly from birches.
The Oaks produce considerable dirty or dingy
green, but all the clear, gay green comes
from the birches. The maples help a little in
some places & add to green, but their influence
is not great. — Chestnuts on this mountain
and on Mt. Tom are not green as seen
in N.H. meadow, nor as seen in Hockanum
Street, nor indeed as seen much nearer, except
a few in open land or in edge of woods. Buttonwoods
Walnuts, Ashes, &c. do not yet add to the green
at a distance. Very small, scattered green
leaves do not overpower the brown, & other hues
of the branches.

See next page Spring Colors, or View of Forests from
Mount Holyoke.

In looking down on the trees below, N.W. and
Northward, and up Fort River, nearly all are
in leaf, but there are but few of a bright green.
There is much brown, reddish brown,
some whitish, much greenish faint or dingy,
some yellowish green; — in fact in looking at
a forest at some distance, there is a dirty
mixture, a mingling of hues, with no very
distinct color. Where Chestnuts predominate
there is more brown than other colors; where
oaks prevail, there is a variety of hues with
more or less that is greenish, but no bright hues;
where there are birches, there is vivid green
especially if ovate leaf white birches.

The woods in Granby & toward Belchertown
are greenish, brownish, reddish brown, &c.
a mixture of colors. (Evergreens not included.)

Fort Hill and Round Hill as seen from Holyoke
are a mixture of brownish (Chestnuts) and greenish
and other hues (oaks, maples, &c.). Chiefly brownish green
or brownish & greenish. It is green, &c. than Holyoke & birches
excepted. Some rusty brown.

May 1852

Tuesday 18. Mt Holyoke, &c

Shade trees in Hadley West Street present two rows of green rush.

Red maples are not seen in Hadley, or are very faintly red. Either few seeds & one form, or leaves obscure them.

The Spring Colors, alluded to on preceding page, are those between the grey of winter and the green of late spring & summer. In looking from Mt. Holyoke in every direction, these colors are seen, but cannot be defined as they mix & run into each other & the limbs & bodies of trees modify them. The hues are a mixture of green, bright and faint; several shades of brown including reddish & greenish brown. Some yellowish green and reddish green. Birches & some others give a pure green, but forests in general have dingy or dirty colors. Buds & branches affect the hues, and many leaves have mixed colors & those not bright, when they first come out.

Trees with light colored tops, on the lower and northwestern part of Holyoke - having whitish leaves, I know not what they are. Have imagined that they were great tooth poplar, or white oak or other oak.

Northampton Village has some appearance of a forest, as seen from Holyoke; trees & shrubs stand out and many green and greenish; other hues also.

Flowers about the mountain.

Early Saxifrage very abundant on the rocks of the summit, & in other parts of the mountain - all in blossom.

Early Crowfoot or *Ranunculus fascicularis* is very abundant about the summit rocks, &c is next to Saxifrage as to abundance, & grows near it. all in flower.

Rue Anemone (some flowers on a stem) shows blossoms on the side & near summit of the mountain - some grows on rocks.

Wood Anemone (one flower on a stalk) is in Hockanum mowings - I saw but little.

Violet ovate leaf, is in flower near the top and near bottom of the mountain - & in pasture (Different from the Wood leaf Violet.)

Pedate Violet, large blue flower, is plenty on lower part of mountain - I do not notice it in higher places - It is evidently *V. pedata* and not *V. palmata*, but does not correspond in all respects to Woods description. Rare.

Yellow Violet grows near Mountain Road. Tall - in flower.

Hooded Violet or Hood leaved violet, (our common blue violet in mowing & yards in N.H.) is in Hockanum mowings, but not on the mountain.

Venus Pield is abundant in pastures; & a few are on or near rocks at the summit.

Mouse Ear Everlasting is in pastures - & near summit.

Dandelions - not noticed above the pastures.

Common Cinquefoil, abundant in pastures not noticed higher.

Twinn Flower on side of Mt. I saw only buds

May 1852.

Tuesday 18. Mt. Holyoke &c

Flowers about the Mountain - continued.

Shadbush, on side & near top rocks of the mountain are white with blossoms.

Smoother Bark Cherry - has whitish flower buds, near opening, close by summit.

Dwarf or Rough Bark Cherry, on the top (12 to 3 feet high) is later. Shows racemes of buds, not spread.

Roseberry Bush. I found one in flower on top of rocks, N.E. of the house - one or two flowers. In buds on a stem. Probably *Ribes Rotundifolium*.

Currant Bush. I found in blossom on the rocks a little below the top (S. or S.W.) with blossoms just like our common currants.

Strawberry blossoms, plenty on top rocks.

A plant 1 foot high (blue or purple buds, not open) grows on rocks as high as house summit. Leaves almost pinnatifid, like *Leucosort* or *Senecio*. may be a *Senecio*. - I think flowers will be yellow. I thought it a *Senecio* last year.

Polygonatum multiflorum. This plant is plenty about summit rocks - not yet in flower. Buds hang from the axils of the curved plant.

The *Convallarias* are not in blossom.

Golden Bines show some flowers on summit rocks, and more flower buds.

Carex. The early species of this noted in Northampton is on the side of Holyoke. Full of yellowish anthers.

Another species of *Carex*, not so early, is on side and top of mountain, and at foot. Has a compressed spike - top part purplish -

Luzula is in Hockanum mowings & pastures.

Worms nests - I saw on the little wild cherry trees on the summit - first I have seen this year. Worms 1/2 inch long - busy devouring leaves.

Birds.

Crows were very noisy on & about the Mt. seemed to be S.W. of the mountain house, some distance. - A Hawk seen, Jay heard.

Small birds. I saw & heard several near the house.

Butterflies. I did not see one on mountain. ^{yellow one seen in Hockanum pastures.} Vegetation on Mount Tom seems to be in the same state & stage as on Holyoke. Proportion of trees differs.

Vegetation on & near Hockanum Street is the same as Northampton, I think. A few apple blossoms in Hockanum.

Vegetation on Holyoke, even on the top, is not very much behind lower lands. Compared with Round Hill, Holyoke side. Top is only from 2 to 3 days behind Round Hill, I think - perhaps 3 to 4 days near the summit of H.

May 1852

Wednesday 19. Vegetation, &c

Round Hill. Every tree on the hill and back of the hill is in leaf, except the Papered ge on the back side. I mean every native tree, and almost every exotic. The trees on the E. and S. edges of the woods are more advanced than others, and give the hill a more greenish appearance at some distance than it really has. The leaves on white oaks and many chestnuts, & some other oaks are quite small; also on some deltoid leaf birches back of the hill, & on all the locusts on back side, & some pignuts. Half the trees or more, would not be green at a distance. These trees are a little in advance of those on Holyoke, but not more than from 2 to 4 days, I think

Horse Chestnuts. One tree at Brights & one on Round Hill have begun to blossom, but few out. Judas Tree near Round Hill buildings began to bloom today.

Spiked Maple, near P. H. House, is like those on Holyoke but spike a little longer, 1 1/2 inch in length.

Shad blossoms are fast falling on R. Hill and other parts of the village & outskirts.

Gold Thread in flower back of the hill has been some ground nut (*Panax trifolium*) is in blossom, and abundant back of the hill.

Bellwort (*Uvularia serotina*) is in blossom on the hill. Low Whortleberry is in blossom on the hill.

Fringed Polygala is in blossom on the hill.

Wood Anemone flowers continue plenty.

Magnolia grandiflora. The tree at R. Hill has long buds, opening a little, 3 or 4 inches long.

Magnolia glauca at Talbot's has much smaller buds which seem to be opening.

Japan Quince at Talbot's is a burning bush - almost all buds open. Mr Shepard's bush is a little later but very red - buds unopen are but few

Lower Village, &c

Crab Apple. I observed no blossoms fully open until today.

Common Apple. An increase in blossoms daily. Some trees show many flowers, and considerable red & white mingled.

Locusts, common } all Robinias - all show very
Locusts, clammy } small leaves. No tree greenish.
Locusts, dwarf }

Button Woods - generally have small leaves, not all

Hebeia at Talbot's begins to blossom

Elediths Locust has small leaves & opening buds on some trees - not all

Ailanthus has opening leaves & a few nearly open.

Worms nests. Two or three seen back of R. Hill on wild cherry & apple tree. None observed in Village.

Garden. mine was made yesterday & today.

Sowed & planted today, lettuce, beets, beans, corn, cucumbers, squashes. P. S. Beans not planted till 20th.

P. S. Lettuce began to come up in 5 days, cucumbers & beets in 6 & 7. Beans in 9. Corn in 10. Squashes failed.

May 1852.

Thursday 20. Vegetation, &c.
Grasses, &c.

Poa pratensis or English Spear Grass. I notice panicles partly out in several places & some nearly out; but they are close by buildings, and in warm places by fences and road sides. I have not observed any in mowings, except on borders, & very few there.

Vernal Grass, (*Anthoxanthum*). Spikes are seen wholly or partly out in great abundance, in all mowings & uplands, and many in almost all yards and nooks, and by road sides. But a small part have as yet put forth anthesis or blossoms. Some stems are of several inches length, but in general the heads have as yet short stems, or none visible.

Hordeurus pratensis, or Foxtail Grass. Some heads are out in bright mowing near the brook.

Carex. Besides the early species, noticed in wood, on hills, &c., there are now 3 or 4 species in mowings that show some kind of head.

Ribwort Plantain, in Round Hill mowing, has shot up some spikes; but in general has only leaves. Some flowering, M. 21

Orchard Grass does not show panicles.

Flowers.

Flowering Almond - Several Mr Bliss's & other bushes began to blossom today. Some in South Street began yesterday, & perhaps the day before, in Phillips place.

Purple Lilac began to blossom today. Very few out.

White Lilac has flower buds half open. Open 21st.

Rowel Filox, 6 or 8 inches high, has been in blossom some time at Mr Woodward's. See last year's entry (conspicuous) 15th

Italian Johnswort. Some flowers at Mr. Delano's, beyond Phillips Place. See May 27.

Pears & Plums some are in full blossom & some are past the full. Plums are the most advanced & many blossom fallen.

Pear with bud & leaf has one open flower at West's May 21

Snowflake, moss pink & *Primula* flowers are plenty.

Tulips increase daily, but slowly. Flowers not yet plenty.

Friday 21. Flowers continued.

At Fort Hill.

Baneberry is in blossom one or both species. Has been out probably 2 days or more.

Wake Robin (*Asium triphyllum*) is abundant & shabby, have stripes of purple & green within, on the spadix is generally green, but some are purple.

Crowfoot Geranium. Found one flower fully out in a warm place & no more.

Yellow Violets, with a stem of leaves & flowers (same as those tall violets by Holyoke road) are in blossom at Fort Hill. (*V. canadensis* or *pubescens*)

White Violets are in flower (not at Fort Hill)

Galium aparine. This is in blossom at Fort Hill 13 from 6 to 12 or 15 inches high or long. Leaves in a whorl 6, 7, & 8.

Alexander (*Zizia aurea*) I have found but one plant in blossom at Fort Hill, & one at Dr Barlett's. Late

Barbarea vulgaris. I have not found any blossoms, till to-day - but few now in the side of S. St. bridge.

Rowel Weed is 4 inches high & shows the third pair of leaves.

Convallaria racemosa - shows racemes of flower buds - not in blossom.

May 1852

Friday 21. — Fort Hill, &c

Forest Trees at Fort Hill, are all in leaf and all shrubles. Also all trees in the meadows including Shagbark Walnut, Bitternut &c. But many Chestnuts, some oaks, & some of both kinds are not green at a distance, I think, or would not be if alone. Yet some Oak leaves are 4 inches long, and Chestnut more than two inches and a half. Beeches very green.

Forest Trees on the Mountain, seen from Fort Hill. The Birches, or most of them, are very green from the top to the bottom of the mountain. Chestnut regions have much greenish, or much brown, & some greenish brown. Greenish prevails in the less deep parts where more leaves are seen at once; & the brown predominates in steeper places where there are fewer leaves to hide the body & limbs. Oaks show a variety of hues — none bright, but rather mixed or clouded. White tops seem almost gone.

Tanagers just begins to blossom at Wests.

Suspanilla has put forth a leaf stalk and a flower stalk with 3 umbels of flower buds, at Fort Hill.

Celandine is in flower near Valbots — has been out one or two days.

Gill-go-over-the-ground has been in blossom some days.

Rye. Some at the foot of Fort Hill, S. side, has many heads half out, & some wholly out, on warm land.

Ploughing, Manuring & Planting, are now going on briskly in South Meadows. Also in some parts of North meadow.

Indian Corn, on upland, is up, and in some pieces 2 or 3 inches high. Crows pull it up in some fields — in some fields it is not yet visible.

Saturday 22.

Crowfoot, Buttercup. Ranunculus bulbosus shows its first flowers today, 15 or 20, in Valbot's meadow, opposite W. K. Wright's lot.

Ranunculus acris or common Crowfoot, has one flower open and 2 or 3 half open, near the 15 or 20 of the bulbous Crowfoot just noticed. [10 or 15 blossoms May 24.]

Ranunculus abortivus. This mean plant with its abortive flowers is almost every where, and has been a long time.

No. 1. Flea-bane or Daisy. Erigeron bellidifolius in some days shown upright buds in some places, but I have seen it only at Fort Hill; there it has only short rays about half grown. May be more advanced elsewhere.

No. 2. Erigeron Philadelphicus has shown its drooping buds for some days — seems as forward as the preceding. Erect buds until today, and not many now erect. I have seen but one with full spread rays, and others with rays about half grown.

Double Buttercups are in blossom. Wells' garden.

Peninah had company yesterday.

Frances & Kate went home today. have been here some days.

Jane (Judd) Hooker came Thursday — went home today.

George Lyman and wife here today.

Almira (Hall) Dewey & babe here today.

Brother Matthias removed to West Block Thursday & Friday.

May 1852

Sunday 23. Mr. Hooker & Falmouth increased.

Monday 24. Flowers & Leaves.

Apple Trees are about in full blossom - not beyond that - and make a fine appearance. Nearly all blossomed & they make the village quite gay. - P. are nearer full May 25.

Grass Apples - are about full.

Pear Trees make some show yet, but blossoms are fast falling - almost gone from some trees.

Old Cherry Trees - are passed the full - blossoms falling

Bladder Nut begins to blossom at Wests & Mansion House

Twinflower begins to blossom at Tallcott's.

Lily of the Valley - is in blossom at Brights.

High Whortleberry - has been out 2 or 3 days at Wests.

Butternut Catkins begin to fall at Wests, 3 to 5 inches ^{long}

Narcissus Flowers, white, with 12 petals - then a small cup, & within the cup more petals. are seen. Often 15 petals; some have more.

Narcissus Flowers with 6 petals, white, and a cup yellowish with a red edge, are seen.

Pandelions very plenty. I see none gone to seed.

Black Currants are in flower - perhaps $\frac{2}{3}$ are open. Miss Woodward

Satin Flower (cruciform, red) is in flower in Mrs. Woodward's Garden. May have been out some days ^{by Mr. Walker, Sumner.}

Tulips are now plenty, showy & fragrant. Not quite full

Catalpa Trees - show small buds, opening.

Syrian Hibiscus (Atthea) has green buds.

Osage Orange - buds just begin to start.

Snow Ball bushes are full of bunches of green buds & flowers.

Judas Tree at Wests just begins to blossom.

Horse Chestnuts are generally in blossom; and the pyramids of flowers among the green leaves look finely.

Orchard Grass - many tops of heads show themselves on lots near Wests roads. Noticed elsewhere 26 & 27th.

Bees make much humming about the Apple blossoms.

Yellow Butterflies - a few are seen.

Tuesday 25. Channery Clark & wife, Widow Isaac Clark and brother Mattheus & wife & daughters here at tea. also Mrs. Starkweather, sister of Mrs. C. Clark.

Wednesday 26.

Went over to Hockanum. - bought Cutton.

Meadows. - On Hockanum Road, on the lower parts or wetter parts, the farmers are ploughing, manuring & planting. also in other parts of this meadow & south meadow that have been flooded, some places still wet.

Oats are up and greenish.

Rye generally has heads half out or more, and some heads are entirely out of the sheath.

Planting Corn & broomcorn will be mostly or generally completed this week. - not all.

May 1852

Wednesday 26. Vegetation. Holyoke, &c

The trees on Holyoke & Tom are all green or greenish.

Evergreens now have a green very different from the spring-green of deciduous trees. It is a very dark green - almost black.

Birches have a vivid fresh green, & look finely on the sides of the mountains. It is not a dark green, but very different from that of the evergreens. Sugar maples have a similar green.

Chestnuts are only greenish or faintly green. Much brown or brownish still appears among them, made by the branches & bodies.

Oaks have more foliage than chestnuts, & the branches are more hidden; but they exhibit very little pure green. Their tops are pale green, yellowish green, brownish green, whitish green, &c.

White Flowers appear on the side of Holyoke, which must be those of the Flowering Dogwood, I think.

Grass of Middle Meadow.

This appears nearly of one color at a distance. In going some distance on the meadow, I found an abundance of dandelion blossoms, some Venus' Pride, and spots of Fleabane No. 1. with buds not yet in flower. Some Poa shows panicles. - The things mentioned do not affect the color at a little distance. - There are places where the horsetail is taller than the grass, & being of a much lighter green, it makes some difference in the hue, but in general all is of one color, a fine smooth green, some wet spots excepted.

Grass in the Upper Meadow has a fine green and is of some height; the clover variegates it some, but all is green.

Grass in village Homelots.

For some time, it was of one hue - a fine & vivid green. By degrees it became a little variegated with dandelions & Venus' Pride, and with the Erigeron No. 2. (not in blossom) and with other herbs that grow among grass.

Clover has a color that differs from that of the grasses, & different species of grass differ in hues. - Crowfoot leaves & a few flowers add to the variety.

The Vernal Grass now alters the color more than anything else. It makes large places in mowings, & almost all of some mowings, brownish, or greenish brown, by its spikes or panicles. - Some, not incline to reddish brown. Much of it is now in flower. The stamens are white and the long anthers are many of them a little purplish or reddish brown; others are light colored.

Clover shows red heads in Talbot's lot.

P.S. May 27. I saw 20 or 30 red heads of red clover in Talbot's lot.

May, 1852.

Thursday 27.

Flowers, &c.

Apple Trees are still quite full of blossoms, though they are falling. They have been nearly full for 4 or 5 days - I consider the fullest blow to have been on Tuesday the 25th.

Crab Apple blossoms are mostly fallen.

Flowering Apple is about full blossom at Talbot's.

Italian Foxglove is yet but partially in blossom. Began 2 or 3 days since. The notice May 20 may be erroneous.

Flowering Almond is full or a little passed.

Japan Quinces. Flowers are falling, but bushes quite red.

Flower de Luce - the light colored has blossoms - may have commenced yesterday.

Tulips are in their glory - will be no more showy. All are yet perfect - petals do not yet spread open, nor begin to wither.

Pyrus arbutifolia is full of flowers at Mansion house - may have been out a day or two.

Azalea Honeysuckle began to flower at Talbot's yesterday; at Shepards to day. Is out elsewhere. I may have begun in some places on 25th.

Low Wild Cherry, Racemed, shows racemes of flowers in Talbot's fence.

Rockets, white, show flowers at Brights.

Flowering Dogwood at Brights & Joy's. Floral leaves have been white for 2 days.

Candelions begin to go to seed. I notice several white caps to day.

White Columbine in Shepards garden begins to blossom.

Thornbush is in blossom at mansion; began a day or two since, & at Round Hill.

Fleabane, No. 1. I seldom see in village.

Fleabane No. 2. This is abundant in snowings and elsewhere - buds generally drooping; some are erect, but very few of these have spread rays and open disks.

Crowfoot, Bulbous & These are seen in several snowings, but not plenty yet. The R. bulbous are much the most numerous. These stems are about a foot high; those of the R. acris about 2 feet. The flower of the R. acris is now the largest, some being a full inch in diameter.

P. May 29. I found a few Crowfoot flowers $1\frac{1}{2}$ inch in diameter.
Mt. Ash by Hine Klay's house, began to blossom yesterday. Many out to-day. [Other trees in blossom. 28, 29.]

Persian Lilac began to blossom near Pleasant St. 2 days ago - not so early in other places. P.S. Some out on R. Hill.

Horse Radish begins to blossom in a snowing. (Justin Smith's.) and elsewhere. Is by Brook & Rail Road, W. of Ellunket St.

Chesnuts. The most forward ones on Round Hill have aments $\frac{1}{2}$ inch, 1 inch, some near two inches, long - abundant.

Globe Flower, is seen at Round Hill house - yellow.

Mitrimony Vine has blossoms.

Ragged Robin is in flower - has been a day or two. showy.

Young Robins have left their nest - one brood at least.

I think I have seen other young birds.

Yellow Butterflies are becoming plenty.

May 1852

Friday 28. Vegetation towards Florence, &c
I walked out to Florence, (so they call old Beunsville) to
see Frances, &c. Went & came by Round Hill.

Thornbushes are generally white with blossoms.

Pyrus arbutifolia seems in full bloom by roadsides
Some of the shrubs full of blossoms are only 6 or 8 inches high.
Red anthers. P.S. Many buds not open.

Low Racine Cherry - has hardly begun to blossom on the Plain

Piarella cordifolia is in blossom in the woods.

Orientalis Americana - is in blossom back of Round Hill

Low Dogwood (*Cornus canadensis*) is in blossom by the
road - 5 inches high.

Polygala paucifolia continues to blossom on R. Hill, and is
by roadside also.

Crossfoot Geranium - shows many flowers by
roadside, & in outskirts of village - but has
only begun to blossom. [Blossoms at Shepard's May 29.]

Panax trifolium continues to blossom back of R. Hill.

Cinquefoil or 5 finger - the common is most abundant
on the plain - has long been in blossom.

Strawberry blossoms continue plenty in wild & garden.

Wood Anemone many blossoms continue by Roadside

Rilwort Plantain is much in blossom in Round Hill
mowing - blossoms are only on the lower part of the spike.

Judas Tree at Round Hill House is in all its glory
limbs full of flowers. That at West's has but few.

Convallaria bifolia - is in flower by roadside

Pennsylvanian Saxifrage, has been in flower some
time near Cotton Factory & in dingle back of Hartung's;
and in Barrett's mowing back of west of his garden - plenty there.

Veronica Saphyllifolia is abundant in mowing &st
in various other places - roadsides, &c.

Perfoliate Bellwort is in flower on Round Hill.

Piperidge back of Round Hill - is greenish with leaves.

Black Mulberry, a little below R.H. house is greenish.

English Oak, at S.W. corner of Bright's clump has small leaves.
I know of no oak so late as this tree.

Magnolia grandiflora near R.H. house has
leaves 5 to 8 inches long, & flower buds, pointed,
5 inches long.

Spiked maple bush at R. Hill begins to blossom.

Red Clover. See a few heads in the village, but
they are rare. More on Talbot's lot (see May 26) than all
the rest I have seen. Several heads near Edwards' Church.

Single Peony, with a common leaf is in blossom at Lawrence's.

Apple Trees. Blossoms are fast falling, yet
there still remains a great show of flowers.
Some trees are quite white, some have shed nearly
all their flowers.

Quince Trees begin to blossom to day - a few trees.
P.S. Blossoms on many trees May 29. At Shepard's & others.

Bladder nut at West's - very near full blossoms some trees quite full.

Flower de luce. The blue flowers are out some & probably were
yesterday. The dwarf trees of a pale blue color remain
in blossom, though fading. The dwarf's first in blossom are gone.

Magnolia glauca at Talbot's - has small leaves & shows flower buds.

Worms nests. I have not noticed one on a common apple tree,
and only one on crab apple. Very few on wild cherry.

May 1852

Saturday 29

Sunday 30. A little Whiting preaches.

Monday 31.

The Season.

Planting Corn — is nearly finished. Yet I see some manuring & planting in the lower parts of the ploughed meadow. The greater part of corn & brown corn was planted in two weeks from Monday, May 17 to Saturday, May 29, but some was planted before May 17. Some is yet to be planted. Hoeing Corn has not begun, that I have seen, even on the warm lands near South Street. Some is ~~about~~ large enough to hoe. West has a piece full large enough. Must have been planted 3 weeks ago or more.

Oats looks green at a distance.

Mountain Forests may all be considered green yet considerable brown & brownish is still seen among the chestnuts. The foliage does not yet entirely hide the branches.

Dewberry } both have a few flowers at the
Wild Raspberry } bottom of Fort Hill — probably
not out elsewhere.

Thimbleberry. Mishepards bushes have a few flowers in one warm spot. None elsewhere. [June 2, flowers in several places at Fort Hill. Some at Dr. W.'s]

Dwarf Locust at Wests has flowers. This is an earlier variety than any other in the village, except one at Woodward's.

Solomon's Seal, racemed (*C. racemosa*) is in flower at Fort Hill.

Sarsaparilla is in flower at Fort Hill — has been a day or two.

Yellow Star Grass is in flower at Fort Hill.

Barberry. Bushes in blossom; some much more than others.

Bladder nut. Bushes very fully in blossom.

Hawthorn began to blossom yesterday.

Italian Foxglove is about in full blowth.

Sweet Cicely (so called) has flowers at Brights.

Low Racemed Cherry — at Fort Hill — a little passed the full.

Tall Racemed Cherry at Fort Hill — not yet in blossom.

Horse Chestnuts are in full blossom, and some a little passed. Flowers are falling. Appearance very fine.

Mountain Ash — not quite so forward as Horse Chestnut.

Lilac, purple & white, are in full blossom about Buildings & were yesterday. Not so forward in all places, but nearly full all about village.

Persian Lilac; about $\frac{1}{2}$ the buds are in blossom.

Twin Flower, or Fly Honey-suckle — about $\frac{1}{3}$ of the buds are not open, yet the flowers are falling.

Buckthorn — began to blossom yesterday or today.

Grass in many homelots is tall & thick and would yield a good burden if mowed. In general grass is not thick.

June 1852.

Thermometer

Tuesday Sunrise. 10m. 9am.

1. 47. 74. 62.
2. 53. 79. 67.
3. 63. 80. 67.
4. 59. 66. 56.
5. 44. 64. 50.

Fair. Dry, N.W. &c.
Fair mostly. Shower at 7^{pm}. S. & S.W.
Cloudy mostly. Shower at 4^{pm}. S. & S.W.
Cloudy N.E. &c.
Fair. Windy. Cool. N. & N.E.

Wednesday

6. 39. 74. 61.
7. 54. 68. 61.
8. 57. 67. 64.
9. 64. 73. 61.
10. 53. 70. 54.
11. 44. 68. 54.
12. 40. 70. 54.

Fair S.
Cloudy Am. Showers P.M. S.
{ Cloudy. Rain by turns. S. & S.W.
Heavy Rain & wind in night
Fair S.W.
Fair, windy S.W.
Fair windy. W.
Cloudy Am. Fair P.M. S.E. &c.

Thursday

13. 43. 78. 63
14. 53. 84. 71
15. 60. 85. 75.
16. 67. 94. 75
17. 69. 93. 70.
18. 67. 86. 70.
19. 57. 85. 70.

Fair & pleasant. S.E. & S.
Fair & pleasant. S.
Mostly Fair. Warm Southerly, &c.
Mostly Fair Hot. N.W.
{ Partly Fair, some Cloudy. Hot. S.W. &c.
Shower at 6 P.M.
Mostly Fair S.W. & N.W.
Fair Various.

Friday

20. 58. 84. 64.
21. 53. 87. 69.
22. 60. 47. 64.
23. 52. 70. 53.
24. 44. 75. 64.
25. 52. 70. 56.
26. 47. 77. 62.

Fair mostly. Shower at 5 P.M. Various
Fair mostly. N.W. S.W. &c.
cloudy mostly. Heavy Th. Showers at 1 1/2. Various
Fair & pleasant.
Fair & pleasant. Southerly.
Mostly Fair - some cloudy. N.W.

Saturday

27. 49. 84. 67.
28. 57. 87. 69.
29. 58. 88. 70.
30. 60. 88. 67.

Fair & pleasant. S. & S.W.
Fair S.W. & N.W.
Fair S.W.
Fair mostly. Wind & Shower at 1. S.E. S.W.

1618 2345 1909

Temperature.

At sunrise - 53 ²⁸/₃₀ }
At 1 P.M. - 78 ⁵/₃₀ } Average 65 ²²/₉₀.
At 9 P.M. - 63 ¹⁹/₃₀ }

June has been 2 degrees warmer than June 1851, and one degree, or nearly 1 1/2 degree, colder than June 1850. There have been several fine showers, but farmers consider the month a dry one. Not wet enough for grass on poor land.

June 1852

Tuesday 1. Flowers, &c

Fruit Blossoms - Those of plums, pears and old cherries are nearly all gone. Those of apple trees have mostly fallen, and their glory has departed. A few trees are whitish in spots, & others have a few blossoms.

Quince Trees are near full blossom. Some buds not open June 3. Blossoms falling. Some unopened buds.

Tulips are as showy as ever, but not so neat having begun to open & spread. Lopped petals are quite rare as yet. Still make a fine show.

White Narcissus. Those with 6 petals and those with many more, continue. Many have faded.

Snowflake. These flowers continue but very many have fallen. They are waning.

Moss Pink. These flowers continue fresh & abundant, though waning.

Azalea Honeysuckles, at Mr. Shepards, & others, are in full blossom. Some are not yet full.

Tree Peony. One open blossom at Mr. Shepards. Some half open at Dr. Monro's.

Flower de luce (Iris). The blossoms nearly white are plenty, though many buds not open. The blue are less plenty, but almost all plants have some blossoms.

Flowering Almond. Blossoms fading & falling.

Japan Quince. Blossoms mostly fallen.

Wild Iris, blue - blossoms not observed till June 3.

White Clover. I observe a few heads by Railroad.

Common Crowfoot, or Buttercups. Blossoms show themselves in many places but are not yet plenty. Plants like moist land, but do not grow in a swamp.

Bulbous Crowfoot or Buttercups - Blossoms are plenty but will be more so. Are thick in some places. Do not grow on so wet land as the R. acris.

Oxeye Daisy. I find 20 or 30 blossoms on the side hill below old Canal, near Mill River. Probably some are out elsewhere.

Fleabane No. 1. at Robert's Plantain. Blossoms are plenty on the side hill just mentioned; and at Fort Hill, on both sides of Starkweathers road. They grow on side hills, and some on level lands, but are rarely seen in a good snowing, in village.

Fleabane No. 2. Buds droop until the blueish rays begin to appear; they then erect themselves and remain some time with the rays inclining together over the disk. They increase their length and then spread open & become a daisy or like a daisy. They are plenty in snowings and elsewhere; the greater part of buds still droop; many are erect with rays unopened; & some are open & full.

Horse Radish is abundant in flower - some in full white blossoms; and some with not half the buds open. It looks well in blossom. Abundant by brook near rail road & elsewhere.

Barbarea vulgaris. These yellow flowers are abundant. The Old exandrus. former is often on wet ground but not confined to it.

Mou near Everlasting, early, has cottony heads & winged seeds in some places.

Dandelion. White globular heads, composed of winged seeds are plenty, and flowers are plenty.

June 1852.

Tuesday 1. Flowers, &c.

Valerian shows blue flowers in our garden. Seems to be *Polemonium coeruleum*, or European Greek Valerian, but does not correspond with Woods' description in all things - White flowers at Joys.

Snowball. The balls or globose cymes, made up of barren flowers, are turning white; or of a whitish or very light green. Juncos are white.

High Cranberry. The barren flowers on the outside of the cymes begin to appear - a few open.

Rhubarb in warm, early places (Brights, &c) has white ^{buds &} flowers. A stalk puts out a multitude of flowers; now none buds thanf. Pies of Rhubarb have been made by some for two weeks, or more - by us only a few days.

Judas Tree at Joys. One of his is 15 feet high & 3 or 4 inches in diameter. Blossoms still adhere to the tree & are bright.

Old Red Peony. One large open blossom at Joys, and others opening. June 3. Some open at Barrett's, and Shepard's.

Rocket. White, purple & pink, plenty at Brights - a yellow flower at Joys, some like a rocket. (Purple Satin pod at Dr. Walker is very different.) Rockets at Dr. Walker also.

Lychnis or Silene, with a very inflated calyx, is in blossom at Brights.

Flower at Brights, which I have called a foreign Polygonum,

Flowering Dogwood has still white floral leaves on all trees about R. Hill & Brights; & the real flower buds within these, are some of them open or in blossom.

Alternate-leaf Dogwood begins to blossom close to Round Hill house. Probably not elsewhere.

Trumpet Honeysuckle - There are several blossoms at Round Hill house & at Joys. None on King Street.

Magnolia grandiflora - has open flowers at Round Hill.

English Linden or Bass has an abundance of floral leaves & small buds - probably have been out 2 or 3 days, or more. ^{American Bass has floral leaves & buds.}

Columbine of the Garden. The purple as well as white, both single & double are in blossom.

Spiderwort. There were blossoms June 7d & perhaps June 1st.

Yellow Lily. One blossom at A. Breck's June 1. Several at Breck's and Brights June 3d, & some no doubt June 2.

Scotch Rose or another small single rose, white, has 2 flowers at Dr. Walker; none at Brights & Talbot's. June 3.

Rosa ferox at Lawrence's has 2 blossoms. June 3.

Star of Bethlehem began to blossom June 2d, or June 1st.

The Season, June 1. compared with others.

It is about 8 days behind 1851 (or as May 24 1851) and about 4 in advance of 1850 (or as June 5 1850). and very near 1849 - does not vary more than one day, if at all. See Season, June 1. 1850.

May began about 23 days behind May 1. 1851. but ends only 8 days behind - showing that May has been moderate though esteemed cold by some. See end of May.

Whippoorwill, I do not see or hear. They are plenty in Westbury town.

Humming birds I see frequently on the flowers.

Night Hawks continue to "peck" over the village.

Crows do mischief to corn this year as usual. I see the common scarecrows - white lines, bits of tin, &c.

Indigo Bird I hear & sometimes see. His song is not uncommon.

The bird that says o-re-o, re-o, o-re, &c is common.

A yellow bird with black wings is here.

Chaffin is often heard. Catbird not so common as in past years.

June 1852.

Wednesday, 2.

Thursday, 3.

Friday 4.

Saturday 5.

Sunday 6. Mr Wiley preached A.M.
and Dr. Penney P.M. - two our former ministers.

Monday 7.

Flowers.

All flowers of fruit trees are gone, except
scattering Quince blossoms. ~~Not many of them.~~

Locust. The common Robinia p.a. has many blossoms
to day. Probably began yesterday.

Snow Balls are in their glory. Some a little passed.

Lilacs, common, began to fade & turn brown June 3.

and have lost their beauty. Some bushes have fair blossoms yet.

Lilacs Persian, are in full blossom some are past the full.

Highberry has disk flowers, & the outside flowers
are white.

Smoke Trees, some have begun to blossom.

Syringa. I notice ~~only~~ blossoms to day, but
most bushes have none. They begin with Scotch Rose.

Hawthorns were in full blossom June 4 & 5. Have begun
to turn brown.

Horse Chestnuts. Their glory has departed, though many
blossoms remain on some trees. About as Lilac

Peonies. The large, red beautiful peonies
show many blossoms & make a rich
appearance. many buds are not open. Some
pale peonies are seen also, and some
tree peonies which are pale.

Yellow Lilies are abundant, yet apparently
not half the buds are open.

An upright real Lily has a blossom at Brights,
orange & reddish on the inside. Blossom erect.

Scotch Roses. A few of these are open at Brights,
Dalbott, and elsewhere. seem to have begun yesterday.
Those at Dr. Walker's are earlier.

Iris or Flower de luce - there are abundant. The
light colored are mostly gone or faded; some are bright.
The purple & blue, common species, have many
fresh blossoms, faded ones & buds - are passed the full.

The tall, slender, delicate Iris at Wests (see June 10, last year)
labelled Iris Siberica, is in flower.

Pennsylvanian Anemone (see June 11, last year) is in
flower at Wests.

Spiraea crataegifolia is near full blossom at Wests
see last year, June 11.

Middle Iris at Wests (see last year) is full of blossoms.

Twin Flower - an abundance of flowers remain
but more than half have fallen. Still showy

Tulips generally remain on the stalks but all
glory has departed. The petals have curled edges,
many hang down, some are all withered.

The Flowers that now make a show in gardens
are Rockets, yellow Lilies, Peonies, Flowers de luce,
Columbines, Persian Lilac, Spiderwort, &c

June 1852

Monday 7. Flowers, &c.

Spiked Indigo Plant began to blossom at Wests 2 or 3 days since. One on Elm Street began yesterday.
Viburnum lentago - is passed full blossom at Wests.
Dogwood, alternate leaf, has been in blossom one or two or three days at Fort Hill, or more. Not full.

Wild Cherry. The rough bark racemed species, of trees has abundance of flowers at Fort Hill - almost full.

Flowers fading & almost gone; - Tulips, Daffodils or Narcissus, all species, Snow Flakes, Common Lilac, Quince tree, Italian Spiraea, Moss Pink.
Floral leaves of Dogwood, Judas Tree, Some Azaleas are gone, some bright flowers remain; Horse Chesnuts, And Mountain Ashes (some blossoms of both remain)

Violets, & Periwinkles, are in blossom most of Spring & Summer
Low mallow shows blossom as a weed.

Celandines blossom for months by fences.

Rubus, all of this genus seem to be in blossom - Raspberry, Thimbleberry, Dewberry, tall blackberry, &c.

Fleabane No. 1. seems to be in full blossom where it is found - not plenty in village.

Fleabane No 2. These flowers are abundant in mowings elsewhere, & are daily increasing, more than half the buds are not open yet.

Other *Fleabanes* are seen but not yet in flower

Grosworts or Buttercups. The bulbous species is very plenty in some places, making them yellowish, seeming about full blossom or passed that. The other species (*R. acris*) is much more extensively dispersed. Is common in many mowings, but not full yet.

Cinnamon Rose has some half open flowers.

Silene or *Lychnis* (inflated calyx) have flowers at Bright & elsewhere.

Groswort Geranium. Flowers are very plenty, in fields by roadsides & elsewhere.

Caraway is in blossom.

Ragged Robin is very showy at Lawrence's. Is not very common

Dandelion. But few flowers remain. There are many white globular caps or heads of seeds, and many more stalks from which the seeds are gone. The latter are the most numerous.

Dwarf Locust (old sort) begins to blossom on Wests mound.

Pumpkin Honeysuckle just begins to blossom in King Street June 8.
Began on Round Hill June 1.

Pinks a few open at Cottons, Maple Street just begun
Valerian. The tall species which I have called *V. spica*, begins to blossom in some places June 8. in others later

Chrys. Adonis, so called, begins to flower at Dr. Waltons a little red flower. June 8

Hornbeam has leafy racemes 3 inches long.

The Season June 7. is still 4 days in advance of 1850. and about 6 or 7 behind 1851.

June 12. The season still 4 days in advance of 1850 but only 4 or 5 behind 1851.

June 1852.

Tuesday 8. Grasses, &c.

Vernal Grass. This becomes less conspicuous as other species increase & overtop it. Is still quite prominent, and in some spots little else is seen. Is brown - less reddish brown than it was.

Meadow Fox Tail (*Alopecurus pratensis*) is plenty in Bright's mowing near the brook - 15 inches to 30 inches high. Is an early grass - anthers all dry & brown. Heads resemble birdsgrass.

Alopecurus geniculatus - shows heads.

English Shear Grass (*Poa Pratensis*) is very conspicuous in most mowings & in yards, by roadsides, &c. In some mowings or parts of mowings it overtops the vernal grass & partially hides it many of the panicles are a little reddish, and this hue is noticed at some distance. Very little of it in blossom, but some purplish anthers are visible in early spots by buildings. - The *Phivialis* I do not separate from the other - it commonly grows on moister ground.

Orchard Grass is not yet in blossom - some heads are a little reddish. This is thick in some spots but is not common, & never scarce.

Tall Oat Grass (*Avena elatior*) at Whitneys has enclosed parts of panicles 3 or 4 days. Now a few are out of the sheath but not spread; others are half out, a quarter out, &c.

Tall Fescue Grass. Panicles began to show themselves 3 or 4 days ago. Now some are out of the sheath, others half out, a quarter out, &c.

Triticum repens or black grass or witch grass shows tops of spikes ~~as yet~~ in Mr. Shepard's bank near the barn, and some half spikes.

Ribwort Plantain is so plenty in the Round Hill mowing that the spikes & flowers give color to extensive spots. The flowers began at the bottom & gradually work up to the top of the spikes, never covering the whole at once; the spikes elongate after the flowering begins. This plantain is mowed & eaten as grass.

Red Clover is quite common, but not yet thick - does not color mowings at a distance. On some warm banks, the heads are thick, it will be much more plenty.

White Clover. The heads are seen in many places but it will be much more plenty.

Water Grass. *Poa aquatica* & *Poa nervosa* show part of the panicles (in wet land near old Canal, back - &c.)

Sedge & Rush Grasses - many kinds have spikes or panicles.

Birdsgrass began to show tops of spikes June 10 or 11, June 12, I have seen no head fully out of the sheath, P.S. a few out on Rail road. In most lots no heads are seen.

Phalaris or Bull Reed Grass at Mrs. Wollers, &c is about the same as birdsgrass, or a little more advanced. Panicles began to show & themselves June 9 or 10, & on 12th none were fully out of the sheath not spread at all. Color purplish.

June 1832

Wednesday 9

Thursday 10

Friday 11

Saturday 12

Vegetation advances slowly these cool days.

Common Locust is in general in full blossom & in great glory. Some trees a little passed the full. There are falling flowers & unopened buds. Bees make quite a humming in the trees.

Dwarf Locust - a small bush, is loaded with flowers & buds.

White Trees. That at Talbot's has blossoms scattered all over it, but more buds than blossoms. Must have begun 2 days ago or more. (Bees about the blossoms). Tree at West about the same.

Yellow Rose at Bright - has had open flowers 2 or 3 days. Dr. Walker's bush, with small roses, began to open to day. only one blossom. (See Shepard June 14)

Scotch Rose not yet in full blossom. - then answer a bush, with larger roses & double - bush seems same as the other is spinosissima. Both at Dr. Walker's.

Cinnamon Rose has open blossoms.

Red Peonies are in full glory & make a great show - have done so some days. Some petals are falling.

Yellow Lilies are with peonies - perhaps a little past the full, with many withered flowers and unopened buds, & very many bright fresh flowers.

The Peonies and Lilies now make more show than all other flowers in gardens.

Pinks are open in several gardens - the low (double, fringed, edge species). Perhaps a few are single.

Sweet William. Flowers came out to day at Dr. Walker's - very few - only 3 or 4. Some at Mr. Well's.

Honeysuckle begins to blossom

Common Phlox, 2 or 2 1/2 feet high, began to blossom 2 days since, & now many blossoms are out in many places; in some gardens, there are as yet no blossoms.

Celastrus Scandens is in blossom at Fort Hill

Wild Grapes are in blossom at " "

Climbing Roses, or Boursault Roses. Some 30 or 40 blossoms are out at West, in a warm place, viz. against his further hothouse. Also 10 blossoms are open at Mr. Well's. I think these roses began to blossom yesterday. P.S. 8 or 10 at Willis's.

Three-leaf five-finger begins to blossom

Wood Sorrel shows yellow blossoms

The Iris of the Gardens, common species, are almost all gone. The wild blue Iris seems plenty & full.

Twinflowers are nearly all gone; and most of Persian Lilac.

Peonies, white, single, with peony leaf, have been in blossom a few days at West.

Currents are gathered for pies.

Young wintergreen leaves are large enough for eating and many are gathered by girls, &c.

June 1852

Saturday 12. Vegetation - continued

Snow Balls are fading, but some handsome balls remain.

High Cranberry. The outside flowers are very white and $\frac{3}{4}$ of an inch in diameter. The inside flowers are small, and most of the buds are open; and both sorts give the bushes quite a showy appearance, though the inside flowers are only whitish.

Syringas. Not more than $\frac{1}{4}$ of the buds are open, in general. It may be open on a few bushes.

Horse Chestnuts show many small leaves. The blossoms nearly all gone.

Mountain Ash - some trees have lost all blossoms and some are now in blossom.

Tall Blackberry & Dewberry or running berry, show their large white flowers abundantly. The Raspberry & Rubus have very different flowers that make no show - in very mean.

Blue eyed grass, has been seen for some time.

Meadows

Corn Hoeing has been going on at least two weeks, or last week & the present, and the first hoeing is nearly done. I observe that some late planting where the water was is not hoed; but so much the greater part of hoeing has been done from Monday May 31, to Saturday June 12, both inclusive. Broom corn occupies less land than usual. Last year's bush is selling at 4 cents per pound.

Grass in South Meadow, seems backward. Spear Grass (*Poa pratensis*) shows panicles as on upland, but no other heads of grass are seen, and these are chiefly on lands that have been in grass some years. Some Carex heads are seen. Spear grass is purplish generally.

Sorrel - makes many spots in the meadow grass reddish, & has for a week or two or more. The blossoms are seen, but the red belongs to the unopened bud, & outside or upper part of the flowers.

Fleabeans. A little No. 1. & some No. 2 are in blossom in meadow grass - chiefly in that which has been mowed several years. Two or three kinds but mostly one kind, No. 3. are there, but not in blossom.

Field Horsetail forms a fine green carpet on the sides of the railroad, where they have put on sand & gravel, & some elsewhere.

Saturday, 12th June, 1852.

M. 16, 205. ~~Hornetots~~, or Village mowings.

These now present a variegated and beautiful appearance. None are mowed. The red clover makes many red spots especially on the higher & drier parts of lots; the Fleabanes make whitish spots, almost all is No 2; the Crowfoot make much yellow - the bulbous Crowfoot is waning & is overtopped by grasses; the common *R. acris* is tall & conspicuous, & seems about in full blossom, & so does the Clover. White clover is there, but not visible at a distance. The Vernal grass, on rich land, is overtopped & much hidden by higher grasses; on more exhausted land it shows the usual brown in small or large spots.

The *Poa pratensis* is however more general than any other grass or herb that is in blossom wet places excepted, & gives much variety to mowings - does not give bright hues like clover, Crowfoot & fleabane, but gives fainter hues from very light green to a reddish brown or purplish, mingled with green. I know not the cause so much difference in the color of the *Poa* panicles. The greater part of them are purplish, but many are green, some a very light green. More than half are in flower. Most have dark-colored anthers, purplish brown, &c, but some have greenish anthers, & even very light green. Green anthers are on some purplish panicles.

It is not the anthers that give color to the grass. Green is a sort of ground or basis on which all the other colors rest. It is more common than all other hues. All grassy & herbs have green leaves, whatever the inflorescence may be. Orchard grass at West, shows but few anthers. Perhaps the rain & wind have carried them away.

Tall Fescue has an abundance of panicles, but the stems are not yet elongated & tall.

P.S. Lightning Bugs. I saw great numbers on the evening of June 13, near the lower end of Pleasant Street, and in the mowings by the brook, all along up King Street, still more June 14. They were seen as early as June 12.

Animals.

12th
Cricket. I heard to day, in the meadow - seemed to be chiefly on the border, about Fort Hill. Are isolated - no general choir.

Flies. None in the house, and I notice but here and there one on animals.

Musketoes I have not seen nor heard.

Chillers fly against the windows in the evening

Bugs - a few fly in the evening; whether horned, I know not.

Bees have not begun to swarm

Striped bugs have been troublesome in some gardens for 1 or 2 weeks.

Cricket, I heard in the village, here & there one, June 13.

June 1852. Saturday 12.

My Fence. A month ago or more some Irishmen that have huts near my land in West-hampton but not on it, accidentally set fire to the dry grass, & it ran into my lot & burnt up about 35 rods of my fence on the road, and about 25 rods of fence between me & O. Fairman which was the half that belonged to him to maintain. I could not get him to make the fence and I had to hire the 35 rods and 25 rods made & found all the rails, except Fairman let me have timber enough to make an over rods or so. E. P. Bartlett (son in law of Owen Kingsley) got out the rails & made the fence and charged me 20 dollars for his services and I paid him to day. right or wrong I know not.

m. 18.328 Weeds in the Garden. The perennial weeds are *Poa annua* and *Lolium repens*. The annual weeds or those that come from the seed this season are *Chenopodium* (pigweed) of two or three species; *Amaranthus* (hogweed) of two or three species; Ragweed (an *Ambrosia*), Mustard, *Panicum* and *Setaria*, or barn grass and tickle grass (some of these very plenty), Purslane, Shepherd's purse, Plantain, Nightshade, Clover, Heartsease, Dock, Chickweed of two sorts or more; stinging nettle, 3 seeded Mercury

Sunday 13. A stranger preached.

Monday 14.

Tuesday 15 [Sun Aug. 5. 1851.]

Settled with Cousin Samuel Edwards

Had of him the last year -

1 cord of birch wood	3.75
6 cords 25 feet of hard wood @ 3.50	21.69
1 cord hemlock	2.30
Apples, Potatoes, &c (See Oct. 27 1851)	4.90
	<u>32.84</u>

Paid him by indorsing on Note, &c. viz

Indorsed on one Note \$324. 1 year Interest	19.41
" on one " 103.50. 1 yr do -	6.27
Received on a note, renewed	7.19

The renewed Note was one for 50%, dated [32.84]

April 28. 1847. Compounded Interest - 5 years came to 16.90, Indorsment 4.72 + One year interest on indorsment 28, making 57. + leaving unpaid \$61.90

He gave me to day in cash \$14.71

Balance of his acct above 77.19

Gave new note dated April 28. 50.00

\$61.90

Shall continue to be brought from Saybrook and from South Hadley Falls. They are of various sizes and sell all the way from 20 cts to 33 cts.

June. 1852.

Wednesday 16. Flowers.

Hot day.

Willow Trees. are in full blossom or a little passed.
Some withered or deformed flowers, & some unopened buds.

Syringas are about full blossom.

Syringas, the large flowered, at Fort Hill, have one
or two blossoms.

Roses, Scotch, are passed the full - but many left.

Roses, Bouraunt or climbing are very plenty;
many ~~unopened~~ buds. Not quite full.

Roses, Ginnaman, not quite full, very plenty.

Roses, Yellow, some bushes full or passed; others not full.

Roses, Burgundy and other small ones, began to
show blossoms yesterday, many out today.

A few larger roses are open - not many.

Yellow Lily. Most are faded. Some blossoms remain.

Spiked Indigo - about in full blossom.

Fox Glove or Digitalis - many flowers at Brimley,
and Fort Hill. Began yesterday or before.

Pinks. A few red, tall ones begin to show themselves.

Peonies, red. Petals are falling & fallen, but some
fresh flowers remain.

Snowberry, begins to blossom at West.

Maple leaf Viburnum - is near full blossom at West
Garden & at Fort Hill. Began to blossom 5 days since.

Arrow wood (Viburnum Dentatum) begins to blossom
^{in meadow.}

Cash Honeysuckle (Diervilla) is in blossom on
Fort Hill. Began about 2 days since.

Jacobs Ladder, in edge of S. Meadow, begins
to blossom.

Squaw Whortleberry shows its pretty blossoms
at Fort Hill, but the greater part or many
have fallen. Has been in blossom some time.

Scarlet Lychnis begins to blossom at Lawrence's.

Phlox is now quite showy, pink or purple,
and some white. Nearly full. Some variegated
at West, just begins to blossom.

Glammy Locust began to blossom yesterday, and
trees are showy, though not half the buds are open.

Gleditsia Locust begins to blossom - the thornless
trees have buds and blossoms a little different
from the others. Began yesterday.

Silver Ceanothus shows blossoms.

Smoke Trees. Some have just begun to show purplish filaments. But
generally show only flowers.

Flies. A very few house Flies appear to-day.

Wood Flies came around me at Fort Hill.

Some Flies are seen about horses & cows - not many.

The Flies that fly about meat are about.

Bugs strike against the windows in the evening - where
a lamp is burning and kill them constantly on the window.

Frogs. I see many on the land, as well as toads.

Bees. Mr Hibbens did not swarm till after 16th. Swarmed in June

June 1852 Wednesday 16.

Grasses, &c.

Mowing has begun a little in dry home lots, but very little has been mowed yet.

Poa Pratensis is generally in blossom. Some may be passed. There are purplish & green panicles, and purplish & light green anthers.

Orchard Grass at West & elsewhere is full of anthers, & looks cottony or downy. The anthers are generally light colored, but some are turning brownish.

Tall Reed Grass shows anthers on high & full panicles.

Tall M. Oat Grass is tall & has full panicles but no flowers, as yet.

Tall Fescue begins to flower or show anthers, not full height yet. Some of it does not grow very high. Perhaps 2 species.

Poa serotina (which I imagine is Fowl Meadow) shows panicles just below Fort Hill. Not yet fully out. Elsewhere.

Poa compressa is in snowings on S. Street dry home lots in blossom, about as *Poa Pratensis*.

Reed Grass - Not many heads are yet seen.

Flower, red & white, are more conspicuous than on the 12th - could not have been in full bloom then. May be so now. Some heads faded.

Rye on South Street lots & below Fort Hill is in blossom.

Corn in some South Street home lots is 12 to 16 and even 18 inches high. Not much, however, so high. But in S. meadow, many are seeing the first time, many seeing 2d time in N. meadow.

The slender, fine top grass, with a silken appearance or soft one, purplish, shows itself in moist ground with *Carex*.

Reed top begins to show tops of panicles, ^{1st sight.} upper parts of panicles seen. None fully out.

Thursday 17

Friday 18

Saturday 19.

Old Rainbow, & Ploughed Meadow.

In the afternoon I walked across the upper meadow and down to Bark Wigwam, & to the lower end of Old Rainbow, then walked up Old Rainbow crossing it four times, and returned by the upper road near Isaac's shed door.

Meadow Crops.

Indian Corn is generally from 6 to 8 or 9 inches high; a little is 10 or 11 inches, or 7 to 12, much hoed twice, but more or less only once. Some are now hoing 2d time.

Broom Corn is generally from 3 to 5 inches high. Some pieces from 4 to 6 inches; & some at B. Wigwam & vicinity from 6 to 8 inches. Only the latter has been hoed twice, or not much of the other. Not so much broom corn as usual.

June 1852

Saturday 19 - Meadows.

Crops continued, in ploughed meadow.

Potatoes - in from 5 to 7 inches high.

Tobacco. One or two had just set out tobacco.

Qals. from 6 to 10 inches high; in some rich places from 10 to 12 inches high. Some wild radish among it.

Rye is in blossom generally - the anthers are a greenish yellow, & stamens white. The most forward pieces have shed a large portion of anthers and the ground is almost covered. Rye is from 4 to 6 feet high, or generally from $4\frac{1}{2}$ to $5\frac{1}{2}$ feet. Heads nearly all erect. A very few inclined.

Wheat, of the bald species. The spikes or ears are some wholly & some partly out, & some perhaps not visible. The forward heads show whitish anthers.

Red Clover in ploughed meadow is in full blossom. Some pieces sowed last year without grass seed, are beautiful & a mass of reddish heads & green leaves.

Poa pratensis - some purplish & some green, - some in blossom. Some passed.

Acergrass - many heads are out, none high; more are partly out, & more still not yet visible.

Red Top begins to show panicles in many places - none fully out.

Vernal Grass. There is much on a permanent mowing (E. Kingsleys) in upper part of meadow road, near Parsons's. I saw none elsewhere.

Festuca a little, not much - is in flower.

P. ditium repens is getting in by the side of the meadow roads and elsewhere - shows spikes in part, & some wholly.

Poa compressa, a little.

Poa serotina - considerable in Jacob Parsons's wet mowing under the hill. Some full panicles, but in general not fully out. purplish - in general green.

Poa aquatica & P. nervata in same mowing.

Blue Iris in the same, & elsewhere, in blossom.

Meadow Rue in blossom in same & elsewhere.

Alephane No. 3. (E. strigosum) is the principal one in ploughed meadow. Has some blossoms & many more opening & not yet spread. A few stalks of No. 4, larger, are seen - just begin to open blossoms, but not so forward as No. 3.

Meadow Parsnip, large & coarse, is in blossom on Old Rumbow Bank - passed the full.

Crickets. Here & there one is heard - are solitary grasshoppers. I saw a few $\frac{3}{8}$ & $\frac{1}{2}$ of an inch long. They are rare as yet. I saw no larger ones. Millers are plenty.

Yellow Butterflies & small reddish brown ones.

Lark's nest with 3 eggs I found.

Bobolinks are very musical - sing on the wing and alight on the top of dock & other plants and sing. alight on the top of the curved stems of Polygonatum.

Swallows fly near the grass, after insects.

June 1852

Saturday 19. Old Rainbow.

2m. 16. 204

Sand has washed on to much of this meadow - probably in the winter flood, & has done some damage to the grass. In general is not deep. North bank of this meadow is wearing away.

The River, now, much of it, runs west of the Island, & is wearing away the meadow there.

Colors of the Grass, as seen from the bank, & from the meadow. There are no vivid colors or only small spots. The ground work is everywhere green. There are reddish spots of clover, & whitish spots of Fleabane. The Aira, is thinly scattered but makes a light brown color, with a mingling of purplish. *Calamagrostis* has a peculiar color; and *Triticum repens* has two or three hues. *Poa pratensis*, though generally thinly scattered, makes more color than all the rest; it is brown, or reddish brown, or slightly purplish, and is spread over a large portion of the meadow.

Clovers, red & some white, are about full blossom, not so plenty as in some years.

Poa pratensis is some in blossom, but is generally passed, & in spots it is turning ripe color.

Aira is on all the lower part of the meadow where it is moist, but not in swampy places.

Poa compressa. A very little is seen.

Calamagrostis shows panicles in part in some spots, but in general not. 18 to 30 inches high.

A species of grass, some like *Calamagrostis* has panicles fully out, in lower part of meadow I know not what it is. Panicles more tight & less loose than *Calamagrostis*.

Sedge in wet places - some shows head, and some is the long leaved sedge, with little else but leaves.

Andropogon are full of leaves but only short stems, or none. 6 to 12 inches high, i.e. leaves.

Panicum virgatum shows broad leaves and stems, 6, 8 or 12 inches long.

Triticum repens is knee high generally or 18 or 20 inches. On rich spots it is 2 feet to 2½ feet high. On rich spots it shows full spikes; on others the spikes are only partly out. The sand seems to have increased it.

Red top shows many leaves & stems; I saw no panicles.

If now mown the most of the crop would be the leaves of *Poa pratensis*, of *Andropogon* and of red top. The panicles & spikes above these leaves would not add much to the swath, except some places of stout & thick *Poa pratensis*. The *Triticum* would however form the heaviest swath is thick & of considerable height. In many places, the grass is yet rather light & thin.

June 1852.

Saturday 19. Old Rainbow.

Herdsgrass - only a few heads noticed

Poa serotina } A little of each seen
Poa aquatica }

Blue-eyed Grass - some.

Oxeye Daisy is a little here & there. not much. There is more in ploughed meadow

Healcanes or Erigerons.

No. 1. is rather fading - is whitish mingled with purplish is more plenty than the other species.

No. 2. is in blossom - not plenty. Some No. 4. on sand.

No. 3. is as in ploughed meadow - a few blossoms and many half open, rays not spread. This species is evidently increasing in this meadow - is scattered about in many places.

Stem of Garlic noticed.

Dogbane in general shows only stems & leaves but a species on the sand begins to blossom.

Yarrow is in blossom on the sand & in other places.

Brakes or Fern } These are more extensively
Field Horsetail } scattered than any thing else except the prominent grasses. Fern is not on the higher ridges, but among *Triticum* - is on all the lower, moist grounds. Horsetail is still more extensive, but *Triticum* crowds it out.

Common Buttercups - a little on a ridge near a great elm where it used to be. None elsewhere.

Meadow Rue is in blossom.

Water Crowfoot is in blossom by Y.R. Hill in mud.

Crowfoot Geranium - many blossoms.

Denud. Prickle - many blossoms in a few places.

Hair bells - about in full blossom, near E. Gunk.

Lily - shows stems - & a few buds begin.

Dandelions. In somewhat extensive spots there is an abundance of this herb, all gone to seed. Many white, globous heads remain. Does not grow in swampy places, but near them.

Lupines - generally in pods. Some blossoms.

Alexanders - some still in blossom

Sanicle is in blossom on Y.R. bank.

Roses in great abundance on sandy places - in full blossom, or a little passed.

Devilberry or Running Berry is in blossom on the sand - large white blossoms $1\frac{1}{2}$ inch in diameter & some more - almost as big as roses.

Weeds & Herbs of many species grow in sandy places. *Ampelopsis*, 3leaf Poison, *Columnus* Seal, Sorrel, Virgin's Bower, milkweed, Dock, Wild Lettuce, &c.

Water seems to have long stood in the hollow next to Y. Rainbow bank, & in hollow below B. W. barn and other low places.

The season is still 3 or 4 days in advance of 1850, and only 3 or 4 behind 1851.

June 1852.

Sunday 20. Mr. Hall (Edward) Church. preached AM.

Monday 21.

Flowers.

Syringas. Blossoms of the common kind mostly fallen. ^{Some bushes have many left}
Syringas, large flowers. About in full blossom, not quite.

English *Linden*. A very few blossoms are seen.

Clammy Locust. Trees are loaded with flowers. limbs bend under the weight. Some withered flowers and some unopened buds. About full, or a little passed.

Dwarf Locust. Blossoms are mostly fallen. These bushes are very heavily loaded when in blossom, like the Clammy Locust.

Gleditsia Locust. Ground covered with blossoms, many on trees make no show - very mean flowers.

Maple Leaf Raspberry in flower at Brights.

Chickadee. Most of blossoms are faded. A few bright ones

Smoke Tree. The purplish filaments are short, but are seen some rods. Some of old blossoms remain.

Roses of several species and varieties are now in blossom. There will be more plenty. The climbing roses are falling, or the petals are, but they make some show yet.

Eglantine or Sweet Briar Rose is in blossom at H. K. Wright's house.

Common *Eusclopias* or Milk Weed has a few blossoms on the top of bank near Round Hill buildings, a very warm place. None seen elsewhere.

Dogbane, with pink striped flowers, is in blossom, over the *Apocynum androsaemifolium*.

Rock Rose (*Helianthemum*) is in blossom back of Round Hill.

Meadow Sweet or *Spirea salicifolia* shows blossoms on the top of Round Hill bank, noticed above.

Sarvice is in blossom on Round Hill.

Gladiolus is in blossom at Stibbins Lathrop's

Partridge Berry or *Mitchella repens* is in blossom on Round Hill. All the flowers are in twos, and two make but one berry.

Caterbury Bells have been out a day or two in several places.

Musk Mallows have been in blossom a day or two

Feuerfews, Double & single, are in blossom.

Pinks. The low species, 8 to 12 inches high, double and much fringed, are most abundant & make a show & perfume. Very few others.

Sweet Williams are plenty - not quite full blossom

Common Phlox makes a fine show but flowers have begun to fall. A few are white.

Peonies. tall & light pink color, are out considerably, not full.

White Peonies with two sizes of petals, & two hues, viz. white & cream color, are out

Musk Rose is in blossom at Doct. Walker's

White Rose, old sort apparently, is in blossom at do.

Danmark Rose, old sort, is in blossom.

Rose bushes are very much injured by worms as in past years. Leaves all ragged & brown of many bushes.

June 1852

Monday 21.

Flowers - continued.

Scarlet Lychnis - is not yet full.

Silenes or Lychnis are abundant at Brights. Some very tall - all with inflated calyx & catch-fly, smooth, with viscid spots on the stem is in blossom - a Silene I conclude.

Trumpet Honeysuckles & other species, including the fragrant, many colored species, are plenty. Poppies, I have not seen any.

Yellow Lily - generally gone. A few bright blossoms remain. Bachelors Button, in flower at S. Lathrop's & W. S. Stoddards.

Chestnut Ascents are 4, 5, 6 & 7 inches long - not yet in blossom.

Eschscholtzia had blossoms two or three days since. Mullein Pink - a single blossom at Willistons. Pinks. Some single pinks, fringed, are out; petals white with red in the middle.

Erigerons or Fleabanes - Nos. 3 & 4, are now seen in blossom in hornelots; No. 3, a little forward of the other, No. 4, tall & stout. They have been out a day or two.

Blankshood is in blossom at Willistons & elsewhere.

Panicled Dogwood has blossoms back of Round Hill. High Laurel & have begun to blossom. I know not Low Laurel. How long since; nor present state.

Magnolia glauca at Talbotts has several blossoms. Some have been out a day or two.

Cockle (a Lychnis) is in flower at W. H. Stoddards.

Delicate slender Iris, is out abundantly at Talbotts.

Prin or Privet began to blossom at Mrs Dwight, June 22nd or 23rd.

Pond Lilies, below blossoms are out near the rail road. Stem Climbing Bell Flower is in blossom at Fort Hill.

Strawberries. Some are gathered in gardens and in fields. Robins pick them.

Cherries are turning red, but are quite rare. There is not enough for the birds. Robins have begun.

Currants have hardly begun to turn red. Green Peas were offered June 23rd at 9¢ bushel for birds.

Lightning bugs are most abundant.

Musketoos. None came into house until evening of 21st June, only one then. Apple Tree worms I have ^{not} seen one on or from apple trees in village this season.

Mowing. Many begun mowing hornelots June 21, 22, & 23rd & 24th. Very little done before. Moist rich hornelots yield a good, yes a great burden.

Cat-tail. The two spikes are out - the lower fertile compact one; and the upper loose sterile one.

June 1852.

P.M. Thunder, lightning, rain & hail

Tuesday 22

~~at Fort Hill, Delm.~~
in many places. Many buildings struck one in this village

Wednesday 23. Flowers, &c. towards Florence

Walked out to Florence (old Bensonville)

John's Wort - flowers on the plain

Elder - begins to blossom on plain & elsewhere. Few out

Tree hawthorn is in flower by roadside & on plain -

almost all is No 3, & No 4, strigosum, little No 4.

narrow is in blossom on plain & elsewhere

Wild morning glory, climbing (*C. sepium*) & both in flower
do " " not climbing (*C. spithameus*) on plain

Kalmia or Large Laurel has many blossoms,
some bushes about full, others not full.

Kalmia or small Laurel - a little more advanced than large

veined Hawkweed - in full blossom on plain

Oxeye daisy in flower on plain & by road.

Quincy Blossoms - some still remain

Crowfoot Geranium - still blossoms

Silver five finger, & 3 leaf five finger are in blossom

Roses, wild, are on plain & elsewhere

Panicled Dogwood in blossom by roadside.

White bush or Pepper Bush, shows its globular
blossoms.

Selfheal - in flower. Blue Iris, Small Oenothera.

Grasses - Heads of red & white clover, & of
Poa pratensis, *Festuca*, Redtop, *Poa compressa*
are seen. Some Vernal Grass. Redtop panicles not fully out.

Wet } *Poa aquatica* - has purplish panicles.
Grass } *Poa nemoralis* - panicles are mostly greenish yet.
Poa serotina - the long panicles are not in
general all out of the sheath. Generally green.

Poa Canadensis - shows panicles not fully out
and spikelets are small.

Motherwort - is in blossom in Elm Street

Galium aparine has panicles fully out, near road.

Club rushes & Bullrushes are plenty, with panicles.

Bush Honeysuckle is in flower by roadside.

Loosestrife, with conical raceme, begins to blossom

Loosestrife, 4 leaved, is in flower - "near this road & on Rail Road

Thursday 24.

Tall Anemone (*A. Virginiana*) has a few flowers
at Fort Hill

Polygonatum with its curved top & hanging
racemes begins to show flowers, at Fort Hill

Staghorn Sumac - begins to blossom on Rail Road
viz. the male panicles.

Elder is in blossom on Rail Road. Not many blossoms yet

Common Milkweed begins to blossom on Rail Road. Not many

Bladder nuts at Wests are almost full grown or quite

Mullein Pinks are out at Wests

Chess in meadow, is nearly full grown - has heavy spikes

Wide Leaf Panicum has full panicles.

Gorge & Pottery has as yet only very small racemes,
top buds on Rail Road.

June 1857

Thursday Afternoon Flowers continued.

Roses. There is a great display there at West's but not quite full. Many plants injured by worms &c. Climbing roses are not yet gone.

Siberian Mullein & some other plants at West's noticed June 27. 1857. are in flower now.

Erigeron No. 3. (E. strigosum - narrow leaf, almost entire) begins to whiten spots in S. meadow, & is frequent elsewhere.

Erigeron No. 4. (E. Annuum - wider leaf, toothed, full) as in the meadow but not common there more on upland. Nearly as forward as the other.

Shrub with white flowers (see June 28. 1850) is now in blossom at W. H. Stoddards.

Hammy locust. Many flowers are fallen, & others falling, yet a pretty heavy load remains on the branches.

Erigeron No. 2. is plenty, but is on the wane. in home lots.

Sweet Pea is in blossom in our garden.

Humitory has been in blossom a few days.

Siberian Spiraea began to blossom June 25.

Larkspur's are out.

M. 16.205 Home lots & Grasses. (See last year July, &c.)

Round Hill mowing. This is mowed from year to year without much manure - or without any. Yet it yields considerable grass. It has the 7 kinds mentioned July 8. 1857 - viz. Vernal, Poa pratensis, herds grass, Red top, Red Clover, White Clover, & Festuca. In some places, one species predominates; in other another. So these may be added Ribwort Plantain, which seems to the eye to prevail over all others in some places.

Holcus lanatus is scattered about the lowerside of the lot. Does not in all add much to the sward or to the grass.

Orchard Grass is in some shady nooks & corners.

Oxeye Daisy is abundant in northern & more exhausted parts of the lot. Is very near full blossom. It predominates in places, at least as to color.

Festuca seems to overshadow all others in some places.

Vernal Grass is predominant in spots - not the richest. Many heads becoming dry & chaffy.

Mowings above Canal Road. (See Stoddards to Talbot's.)

July 8. & Oct. 1857 } All of these not mowed, ^{again} mowed & on the land show the same seven kinds just mentioned. They are more moist and more rich than the Round Hill mowing. Red Clover is very abundant and considerable white. In places much festuca. Poa pratensis is not showy as to panicles, but has many leaves.

Red top shows many panicles, but very few are full out. Is found much in wet or moist swales, but if the swales are rich, herds grass comes in.

Herds grass has not generally become tall - very little is so. Many heads are fully out, but not a few are only partly visible.

Vernal Grass is now much hidden out the richer lots.

Dock narrow leaf, with some wide leaf, is most abundant.

Buttercups & Erigeron No. 2. are plenty - both waning.

Phalaris or Tall Reed Grass. There are spots of it in one lot.

The Water Poas & Sedges & some rushes are found on the lower, wettest parts of some of the lots.

Potamogeton is abundant in & near the water & mud back of meeting house.

June 1832.

Friday 25

Saturday 26

Sunday 27. Edward Beecher preached.

Monday 28

Tuesday 29

Wednesday 30

Walked out to Florence with Penimah Am. and went to see Julia White from Augusta, at the Water Cure. Came in P.M.

Flowers, &c.

Bristly Aralia is in flower in two or three places

New Jersey Tea is in flower

Meadow Sweet begins to flower (*Spiraea salicifolia*)

Canada Thistle. A few open flowers by road-side

Prinos verticillatus begins to blossom

White Bush or Pepper Bush (*Panicled Andromeda*, I think) continues to blossom abundantly.

Common Elder - flowers are plenty but not full. Many bunches of elder in the fields & by road-side make a fine appearance

Small Dewberry is in blossom - not full. (*Rubus cuneifolius*)

Johnnywort. Flowers are plenty on the Plain.

Yarrow is plenty by the road - not full

Lysimachia. The four leaved, & the stricta or cone racemosa are in flower abundantly.

Grasses.

The seven kinds in Homelots are found by road sides and in mowings by road, viz.

1 English Poa. Panicles are brown or reddish brown.

2 & 3. Red & white Clover

4 Cernal Grass. Heads generally brown & becoming dry.

5 Herd's Grass. More or less of it is in blossom.

6 Recltop. Panicles, some are fully out most are not yet out of the sheath. Not spread.

The slender earlier variety has panicles fully spread and in flower - some is purplish & some light colored.

7 Festuca. Some of this by the road.

Four Water Poas are by brook & roadside

1 Poa aquatica.

2 Poa nemoralis

3 Poa Canadensis. Spikes not yet heavy & drooping

4 Poa serotina. Some panicles out & some not fully out. Looks some like Recltop, but less purplish, and stalk, leaves & branches more fine & slender.

Others

Wide leaf Panicum has panicles by roadside.

Calamagrostis has panicles fully spread - is a cold purplish.

Mullein has shown flowers, 2 or 3 days.

Potatoes - have a few blossoms

Potatoes. Some blossoms near the road.

Wild Raspberries. Some are red, and a few are nearly ripe.

Currants in village. Many are red, many are green

Wild Strawberries offered at 11 piquant, & July 3, all stemmed & clean.

Wild Raspberries offered at 14 piquant. Garden Strawberries have been sold at 1/6 quart.

July 1852

Thermometer

	sunrise. 1 P.m. 9 P.m.				
Thursday	1	59.	84.	68.	{ mostly Cloudy. Little Rain S.
	2.	66.	74.	59.	Cloudy & some Rain A.M. Fair P.M. S. & N.W.
	3.	53.	74.	38.	mostly Fair. N.W.
Friday	4.	52.	80.	64.	Fair N.W.
	5.	57.	84.	72.	Fair & pleasant - - - - - Southw.
	6.	62.	87.	71.	Fair & pleasant. - - - - - S.E. & S.
	7.	60.	86.	70.	Fair & pleasant. - - - - - S.
	8.	63.	88.	70.	Fair A.M. Th. Showers to N. P.M. S.
	9.	63.	92.	73.	Fair. hot S. S.W.
	10.	62.	90.	70.	Fair " S.E.
Sund.	11.	64.	90.	75.	Fair " S. & S.W.
	12.	70.	86.	71.	Fair N.E. & E.
	13.	65.	87.	71.	1/2 cloudy. S.
	14.	66.	78.	68.	mostly Cloudy. Rainy P.M. S.W.
	15.	63.	80.	60.	Fair & pleasant. N.E.
	16.	57.	83.	66.	mostly Cloudy. N.E. & S.W.
	17.	59.	70.	60.	mostly Cloudy. Southerly.
Sunday	18.	62.	72.	54.	Fair & pleasant. N.E.
	19.	47.	78.	63.	Fair & pleasant. N.E.
	20.	58.	88.	70.	2/3 Fair. S.W. & N.W.
	21.	60.	91.	74.	mostly Fair. Hot. S.W.
	22.	67.	92.	74.	mostly Fair Hot S.W. & N.W.
	23.	62.	90.	70.	mostly Fair. Hot. N.W.
	24.	51.	82.	62.	mostly Fair. N.E.
Sund.	25.	52.	85.	71.	mostly Fair. Some haze. S.W.
	26.	64.	73.	65.	Cloudy. Fine Rain. N.E.
	27.	59.	78.	64.	Fair & pleasant. N.W. & W.
	28.	55.	80.	66.	Fair & pleasant. N.W.
	29.	56.	88.	73.	{ Fair A.M. pt Cloudy P.M. S.W.
	30.	68.	89.	70.	Thunder Shower in evening & rain after.
	31.	59.	77.	60.	1/2 cloudy. muggy. S.W. & W.
					Fair & pleasant. N.W.
		1855.2578		2082	

Temperature

at sunrise — 39.²⁶/₃₁
 At 1 P.m. 83.⁵/₃₁
 At 9 P.m. 67.⁵/₃₁ } average 70.⁵/₉₃

The Temperature has been nearly the same as 1851 and 1849.
 A fine month for haying & harvesting. Rain has been
 deficient, & some lands have been very dry.

July 1852.

Letters sent. [Continued from Feb. 1.]

- July 9. To Miss Felt. Caulkins, New London
10 To Mr. Rumbell, Amherst Express, Remants and documents about an old highway controversy in Amherst.
10 Mark Doolittle Esq. Belchertown, put in P.O. 12
12 Doct George Hooker Longmeadow, Mass
12 Asahel Birge, Esq. Southampton.
14 Sent an article on the Dutch "House of Good Hope" at Hartford, to Rev Jos. B. Felt, Boston for the H. G. Register.
15 Sent an article ^{at Hartford} to the Springfield Republican on the History of Palmer.
17 Wrote to Mark Doolittle Esq. Belchertown.
18 Sent 10. To James Savage Esq. Newburg, Mass.
19 Wrote an article for each paper, one on Land Speculation for the Gazette, on Pianos, & for Courier
22 Wrote to Nathaniel Goodwin Esq.
26 Wrote an article for the Amherst Express about the 1775
26 Wrote to E. M. Fisk, editor of Palmer Journal.
27 Wrote to L. M. Boltwood, Amherst.
Aug. 2. " To Asahel Birge, Esq. Southampton
7 " To E. W. Allen, Colerain.
August 3-16 at Groton Conn. Wrote to wife, children in Maine & Brooklyn.
18 Wrote to Frances, at Fair Haven, Conn.
18 " to Doct. S. W. Williams, Deerfield
Sept 11. " to Rev S. Ash, Essex, Conn.
15 " to Luther Hoadley, Harwinton, Conn.
23 " to Wm. Edwards, Grodwich, C. Exhibitor, Ware, Boston
23 " to Douglas Pennington at Brooklyn
[Cont in Vol. VIII, p. 3.]

Various Things. July 1. and after.

Chestnut Trees, begin to be a little different green, or rather, the arments, have a different color from the leaves—more pale, July 1.

July 6. I observe the difference on the side of Holyoke. The chestnut region has a greenish brown, or lightish brown color—not white enough to indicate flowers. There may be flowers on longer lands.

July 8. Chestnut Trees on Round Hill have been in blossom two or three days; are considerably white, some trees as white as they will be.
Chestnuts on Fort Hill. See July 9.

July 16. Chestnut Trees on Round Hill are quite brown.

Fruits.

July 6. Black Thimbleberries begin to be ripe. A few have been gathered.

Wild Raspberries continue to be offered, July 6 & 7.

Blue Whortleberries first offered July 7.

Cherries—none here or very few. I saw a half bushel, brought from Westhampton, July 5. They sold at 10 cts a quart.

Small beets are sold.

Cheese seems to be most plenty, at least in use, in spots where the rice was destroyed by the winter or flood. This gives countenance to the old false notion, that grain turned into cheese.

July 1852. Thursday 1.

Friday 2. Peninnah leaves for Augusta this morning at 6. Expects to reach Augusta this evening.

Saturday 3.

Sunday 4. A stranger preached

Monday 5.

Tuesday 6.

Flowers.

White Lilies. These tall plants with their purely white flowers are now most abundant, and make a great show - nearly full. Very fragrant at some distance.

Orange Lilies or reddish yellow. The two kinds are plenty. One has many lilies on a stem, 20 or 30, and is tall; the other is shorter, but few blossoms on a stem. Both erect.

The Tawny Day Lily has been in blossom two or three days in Hadley, just below the river and of street in the meadow, & in various places in Northampton.

Hollyhocks have been in blossom 2 days at Ethel's and at Brights.

* American Bass has not begun to blossom. I never knew English Bass or Linden. The flowers are } so much different
fallen or brown, generally. } perence before

Tall red Pinks, single or nearly so, begin to blossom.

Mignonette, fragrant, has been in blossom some time.

Tall or Climbing Roses - flowers very rich & full, and much richer than the earlier Boursaults, are now in their glory.

Mallocks, white, and purplish, are both plenty.

Matrimony vine, like calandine & violet, & trumpet honeysuckle, blossoms for months. Also Spider white.

Silva alba has been in blossom some days. Flowers falling.

Flowering Purslane shows its fine flowers.

Nasturtion or Indian cress. (*Tropaeolum majus*) has been in flower some days.

Amphicarpis begins to blossom.

Tall pinks, single, are not all red. Some are very pale pink, ^{some} are striped. They seem to be the pinks of my boyhood, a little enlarged.

Sweet Williams continue plenty, though waning.

Spiraea lobata begins to blossom. Tall & handsome.

Siberian Spiraea is about full - has large white flowers.

Two other Spiraeas are in blossom, viz. ulmaria & salicifolia.

Candytuft begins to blossom. Dwarf Phlox has flowers.

Heather grass. Its long arched awns begin to be feathery. makes a graceful appearance.

Dahlias. A few flowers at Whitcombs.

Coreopsis flowers of both sorts are seen.

* American Bass did not begin to blossom until July 8, after the blossoms of English Bass were mostly gone.

Martynia is in blossom at Wells June 8. Many beds. The Calandula & the small Tagetes are in blossom. None of the ^{greater} flowers.

Living Things.

Bobolinks } are almost thronged by birds, noticed in the
Larks } meadows. Bank swallows are about
the Connecticut.

Grasshoppers are very rare in aqua vitae.

Yellow Butterflies are in aqua vitae.

Flies begin to be troublesome in the house.

Flies are increasingly troublesome to horses & cattle.

Flies, musketoes } are annoying in Round Hill woods, July 8.

The wren is constantly heard near the house.

Humming birds are not uncommon.

July 1852

Tuesday Co. Groves, N.H. and Hadley.

P.M. Visited the northern part of Northampton meadow - crossed to Hadley and went down through Aquavitae meadow to the lower end of the street - came up through the same meadow on the northern side - then went into the ploughed meadow and examined that, and came home.

Indian Corn is generally from 18 to 30 inches - some 14, some 36 inches. The largest I saw was in the upper part of N.H. meadow, where considerable was near 3 feet. I saw none 3 feet in Hadley but did not see the earliest best pieces, most that I saw in Hadley was from 15 to 30 inches.

Broom Corn - some pieces on low ground that was wet in spring had plants from 5 to 8 inches high; others from 6 to 14 inches; some 8 to 16 inches. A few plants 18 inches. In Hadley it was from 7 to 12 + 8 to 14 inches. I did not see the best - Broom corn will grow average over 9 or 10 inches, + Indian about 20 to 22 inches.

Hoeing Corn + Broom corn. The first hoeing was shortly from May 31 to June 12 - two weeks. The second hoeing was chiefly from June 14 to June 26 two weeks. The third hoeing will be principally last week + this, or from June 28 to July 18, making 6 weeks for three hoeings. Some will be done after this week. Some people hoe 4 times; in Hatfield, most do. I saw people hoeing corn + broom corn the third time to day.

Potatoes, some pieces begin to blossom. Others not.

Tobacco shows 5, 6, 7 + perhaps 8 leaves. No stem.

Cats. The forward pieces show the tops of panicles.

Rye C. The heads are heavy, + almost all bend over - hang from a little below horizontal to 45 degrees below horizontal - some still more. Blasted heads, or those with a few kernels, are erect or almost so. The color of eye at some distance is becoming light brown or greenish brown.

Wheat has erect heads. Some pieces are turning yellowish others not. Some heads are inclined a little.

Haying - is more advanced in Hadley meadow than in Northampton I think, + grass quite as good. In Aquavitae, near half the grass was mowed from the rear of the Homelots to lower end. None mowed higher. In Old Rainbow some have begun to cut *Friticum*. I was told not much done. Hatfield has begun to cut all grass in Indian Hollow. Aquavitae has better grass than Old Rainbow, I think, as a whole.

Ploughed meadow. Hadley people have cut considerable of their clover pieces + some others. Grass seems good, cocks very thick. Northampton people have cut some clover pieces, + a few others, but seem behind Hadley.

Buckwheat. I noticed some just up on upland and in meadow, in Northampton.

Hard grass in ploughed meadows, in N.H. + Hadley, presents a bluish appearance some the entire. Some white anthers are seen. Some anthers are turning purplish or brownish. Red top is purplish. English pea dry thrown or reddish brown.

July 1852

Misc. 16. 104
Tuesday 6. Grasses in Aquavilae.

Colors of the meadow, when on it or near it.
besides the general green ground work.

Poa pratensis. The panicles are brown & dry
a color extensive spots, brown or a light brown.

Red top. Many panicles are spread in flower, of the
early sort, & some of the taller kind; many are not
yet spread, & not fully out. They give very many
spots a purplish appearance. Sometimes alone,
in some places mingled with *Poa*.

Aira is on Northern side of meadow near the brook
or swamp, on both sides, & sometimes extends into the
hollow south of the swamp hollow. Generally thinly
scattered, but so all that it hides the green & gives
a light brown color to a considerable extent. The
panicles are dry & brown, but a slight hue of purplish
remains, & hardly perceptible.

Triticum aepens is green, of several shades; is
generally in flower; anthers yellowish, but turn
light colored or brown.

Only the four species named have put forth panicles
or spikes - & these stems & their heads form
but a small part of the sward, except in *Triticum*.
Poa heads are generally thinly scattered & so are *Airas*,
and red top is thin in many places, but thick in
spots.

Leaves now form most of the crop. The *Poa* leaves
are much more plenty than the stems, & one may
be mistaken as to the quantity of *Poa*. *Aira* has
not many leaves. But the *Andropogon* furnish
a great abundance of leaves, a heavy sward
in places, & half the sward in extensive tracts. The
A. scoparius has narrow leaves; the other species much
wider. A very few stems may be seen a foot high, but
in general not any stems are noticed. The *Panicum*
virgatum which is scattered about the meadow, and
very plenty in N.W. part, has no panicles yet, nor
has the squirrel tail grass.

Calamagrostis is not plenty - is rare, but has full panicles.

Berdo grass seems to have increased a little on northern
ridges, but is very rare & not sufficient to take into
the account of grasses that form the crop - is in blossom
full of blue anthers.

Flower is hidden & heads dry - some of the white
has fresh blossoms. The white is found very thick
in some places - in wet places, near the swamp
is mingled with grasses that grow in wet ground.
The red has many leaves on ridges.

Carex grasses grow by the side of the swamp & brook
and in other moist lands.

Poa aquatica forms purplish spots near the
swamp, and in it among the rushes. It is a broad
leaf, luxuriant grass, with large panicles.

Poa serotina. I saw some, in several places - not plenty.
Poa nervata & *canadensis*, I did not notice.

Branches *Agrostis* has no heads yet.

Marsh Horsetail is abundant in the swamp, it
covers a deep green to long strips.

Field Horsetail is scattered over the meadow -
is abundant on new made land, near the Connecticut.

Club rush & bull rush in the swamp.

Sweet flag, some cattail in do.

Lamb's ears, *Potamogeton*, on wet lands, near swamp and
elsewhere.

Dandelion leaves abundant in places.

Verbal Grass & *Pesoc* not observed.

July 1852

Tuesday 6. Aquavital Grasses.

The proportions of the several species do not vary much from last year. *Triticum* may have increased.

No. 1. is *Andropogon* - including 3 species

No. 2. is *Redtop*

No. 3 & 4. English *Poa* & *Triticum* - *Lathyrus* & *Lucern*

No. 5 & 6. The two clovers

No. 7, 8. *Poa annua* & *Aira*

No. 9. *Carex* several species.

Alopecurus compressus, wide leaf *panicum*, & smaller leaf *panicum*, branched *agrostis*, water *poas*, *Galium*, *agrostis*, squirrel tail grass, herd grass, *Poa hirsuta*, not yet in panicle.

The proportions alter yearly, it is probable, owing to floods, or no floods, wet weather & drought, & other circumstances.

Sand. The last Spring flood washed much sand over this meadow - & has increased the *Triticum* I think, or diminished the other in places.

Flowers & herbs in the meadows of A. V. & N. H.

Lobelia, not branched, is in flower in both meadows.

Monkey Flower is out in Aquavital, in wet places.

Wild Morning Glory, with large flowers, in both.

Dewberry - still shows blossoms.

Meadow sweet shows blossoms.

Oxeye Daisy - some here & there - is fading.

Erigeron or *Achillea* No. 3. is plenty in spots.

Makes a few white spots in Aquavital.

Senecio - is mostly faded - some fresh flowers.

Meadow Rue - some in Aquavital.

Lily. I saw no meadow lilies open.

Blue Vervain, near Connecticut, has blossoms.

Convolvulus without blossoms, climbs up the grasses in many places & makes a tangled mass, difficult to walk through. in A. V.

Barbarea, in some places, shows itself - full of buds.

Plantain, common, in paths in N. H. meadow, has shot up long spikes & is in blossom.

A row head in the swamps - no flowers seen.

Wild Lettuce just begins to blossom. Some stalks 6 feet high in A. V.

No *Crowfoot* in A. V. - or only here & there a plant. I did not notice half a dozen.

Milkweed - some in blossom & some not.

Elder makes a fine display on borders of meadows - hardly full yet.

Yarrow in blossom - is in some spots.

Dogbane with a small white flower is not uncommon.

Golden Rod in A. V. upper end, has a very few blossoms, or buds nearly in blossom. Just beginning.

Asparagus is in small bunches near the Connecticut in A. V. Has berries.

Pond dogwood has small balls not in blossom. A. V.

Dogwoods on edge of swamps. There is a species with reddish stems (this year's growth not red) that just begins to blossom. I am on account of Spring flood. *C. Sericea* another species close by the other has this year's shoots reddish, leaves broader than the other; large berries & some turning white. Perhaps *C. stolonifera* that blossoms twice. River Poplars, Willows & a few white maples take possession of the new made land next to Connecticut in A. V.

July 1852

Wednesday 7.

Thursday 8.

Round Hill & back of it. &c.

Pyrola blossoms are plenty.
Cornwheat (*melampyrum*) blossoms are plenty
in Cavers. So. I have cut a white flower. It is now in blossom.
Saxifraga begins to blossom.
New Jersey Tea seems about full.
Pall anemone is in flower.
Vined Hawkweed continues in blossom.
Four leaved Loosesife. Flowers abundant.
Danthonia Grass, back of Round Hill ^{has} shot up
heads within a few days.
Andropogon scoparius (sharp leaved). The leaves ~~are~~
are fresh & green but no stalks are seen.
Dewberry, small leaf, continues in blossom - seems
not yet full.
Smoke Tree has feathery filaments about an inch long,
yellow *Asclepias*. begins to blossom near old Canal back of S. Street. July 12
Got down to the shore flowers in old Canal bed. July 12.
Hairy shows yellow disks. no ray flowers.

Friday 9.

Walked over to Fort Hill and on to the northern
part of the S. Meadow, & came up by Rail Road.

Chestnut Trees at Fort Hill are about as whitish or
light colored as they will be - will be more yellowish.
Must have been in blossom three or four days - perhaps five.
Little buds are formed about $\frac{3}{8}$ inch in diameter. These buds
have a flower at the end the only flowers that belong to them,
the only female flowers. There is a flower for each chestnut
and chest, which adhere to the chestnut till ripe. These fertile
flowers or buds are near the end of the branch; often at the bottom
of the uppermost small male catkin. The showy male
aments are higher up, in the axil of the leaves, & partially covered
by the leaves.

Prinos Verticillatus. I have been puzzled by finding
some bushes with only about 3 buds or blossoms in the ^{more}
axils of the leaves, and others with 6, 8 or 12 buds or blossoms
in an axil. It seems that both belong to one species
the more numerous bunches being male flowers & the other
female flowers. Both are partially in flower at West.

Cornus sericea. This is abundant by old Mill River
bed & other wet places. Is still in flower, but passed
the full. There are now buds, blossoms & green berries.

Elder - is conspicuous & showy - some bunches of
elder are in full bloom, with cymes from 5 to 8 inches
across, & some ten inches. Yet in general elder is
passed full bloom. There are now buds, flowers & berries.

Stag Horn Sumac. The fertile bushes now showed
buds - just flowering I suppose.

Smooth Sumac. The male panicles are not yet in flower.

Poke berry on Rail Road has racemes with
buds, flowers & green berries.

July 1852

Friday 9. South Meadow + Fort Hill, + Rail Road.

Polygonatum + *Solomon's Seal* several kinds now show berries, green, brown, striped, &c.

Lousestrife of three species is in flower at Fort Hill and on Rail Road.

Canada Thistle have abundance of blossoms on rail-road but only about half the buds are open.

Wind Flowers (*Anemones*) are plenty at Fort Hill. *Ball Monkey Flower* is out, in wet places in meadow.

Blue Verbena or *Vervain*. Flowers plenty on Rail Road.

Mullein, *Johnswort*, *Oxeye Daisy*, *Milkweed*, continue in blossom on Rail Road & elsewhere.

Garrow, *Wood sorrel*, *Wild morning Glory*, same as the last.

Wild peppergrass on Rail-road has panicles with little round flat silicles, flowers & buds.

Lobelia with racemes of flowers is in S. meadow.

Wild lettuce shows yellow flowers on Rail road.

Enchanter's night shade continue in flower at Fort Hill.

Cowberry still shows blossoms, a few, on Rail Road.

Pond Lilies still show yellow flowers & large shining leaves.

Crops in S. Meadow.

Indian corn. Pieces from 12 to 24 inches; 15 to 32 inches; 18 to 30 inches, and in upper part of meadow, some from 18 to 36 inches. Corn is as forward here as in upper meadow three days ago, at least.

Broom corn. From 7 to 16 inches. About as in upper meadow 3 days ago.

Hoeing is going on but more haying just now.

Mowing, *Haymaking* & *Carting* were going on in many places. Grass about as usual.

M. 16. 205 Grasses in S. Meadow.

The five sorts so often mentioned are the principal grasses, viz. *Hard grass*, *English Poa*, *Red-top*, *Red & white clover*. Add to these several species of *Carex*, the water *Poas*, (*Calamagrostis*, *Poa compressa*, *Little Pritivum*, & some others.

Color of the Grass lands. The red top makes a great many purplish spots; the English *Poa* makes brown spots, but this grass is now much hidden; the hard grass makes greenish spots at a distance but near, the anthers give it a blueish appearance. Clovers, red & white among the other grasses, are hidden. In low places *Carex* makes green spots, ^{or leabany, Poa B. make whitish spots.}

Poa aquaticum, now in blossom, grows along by the side of old mill river & old ravines & wet places, & shows its large purple panicles.

Poa Canadensis grows near the preceding, & now has drooping branches, made heavy by large spikelets, viz. the panicle has drooping branches.

Poa Serotina grows near the two preceding, looks some like red top, but not so red & more slender. Stems are now inclining to fall.

Calamagrostis shows its panicles in similar places.

Carex, the long leaved, grows abundantly in the bottom of old ravines, &c. The long leaves form graceful arches outward each way from the centre of a bunch; no stalks seen. Some bull rush & club rush in wet spots.

July 1852.

Friday 9. — South meadow — continued.

Live things.

Grasshoppers are now quite plenty — from $\frac{3}{8}$ to $\frac{1}{2}$ inch in length — now & then a larger one. There are green & striped ones.

Bobolinks are very plenty. Their regular song seems to be at an end. The old seem to be surrounded with young ones nearly as large as themselves. A dozen may be seen at once on both sexes, perched on dock, fleck and other herbs, and on stout stems of hard grass. The latter bends down horizontal with the weight of the birds.

Village &c.

Lightning bugs continue plenty, some near the ground & some high up in the elm tops of houses. Plenty near streams. *Loach* seen to be very plenty. Are seen especially near night, hopping about as if in pursuit of insects. Sometimes see 3 or 4 on the path, between front door and street.

Crickets are heard every evening; but no connection, no choir.

Flies are now very troublesome to horses & cattle.

Horned Bugs are plenty.

Saturday 10

Sunday 11. Mr Wolcott of Belchertown preached.

Monday 12.

Tuesday 13.

Wednesday 14.

Thursday 15. Friday 16. Saturday 17. Sunday 18.

The Harvest.

It began in Georgia the first week in June; in South Carolina, the second week in June, viz wheat. In Eastern Virginia the last week in June, or rather the third week in June — farther west, the last week. In Alabama, the wheat harvest was over June 6.

Wheat Harvest in Missouri did not begin until about July 10. Wheat Harvest in Eastern Pennsylvania was expected to begin July 10 to 15.

Wheat Harvest about Baltimore began about July 1.

Whester Parsons, who lives at Skaneateles, on rather high ground, says the wheat harvest in that vicinity usually begins from July 20 to July 25, and ends about July 28 to Aug. 1. On lower lands, & more sandy lands, on Oneida, Seneca, & Genesee rivers, it begins a week sooner — July 13 to 18.

Grain was ready for harvest on Erie R. Road July 17. Park says they were harvesting in all western N.Y. about July 20. 21. 22. 23. began in 10 places.

England. They were haymaking about Liverpool June 28

and wheat was in bloom

June 11. 1852. France. Rye Harvest began in N. of France & wheat harvest in S. of France, first week in July. — Harvesting in H. Alsace & Germany two first weeks in July, & in Switzerland from 1st week till 10th of July. English wheat harvest — "well begun" Aug 6.

Indian corn in Ohio, Indiana, western New York is said to be no more forward than here; indeed in many places it is more backward; that is, near the lakes, they have suffered from rain & wet in some western states — in some parts of the Union from drought. — The corn crop is light in large extent of country. — Peach trees very much injured by the winter, & in general but few peaches.

String Beans we have had since July 10.

New potatoes are offered July 16. Some large ones, but most are small.

Harvesting commenced (of Rye) on plains, in Southampton, in Hockanum meadow, &c. July 13. 16. &c. Some pieces were cut a little earlier, but of no use. Wheat Harvest began about July 10. 21 & 22d.

July 1852

Monday 19

Tuesday 20

Wednesday 21.

Meadows & Crops.

I walked down to Bark Wigwam Pt. & thence up $\frac{1}{3}$ of Rainbow; then followed a piece of unmown grass down to east side of meadow & the river - in the range of the Elm that is black on one side. Next followed the course of the river bank & not far from it, down to middle meadow, and to Hockanum Road. Then came home in the road.

Crops are as good on Hockanum road as where I crossed to Bark Wigwam; & some were as good as those of Bark Wigwam itself.

Indian Corn - some pieces $1\frac{1}{2}$ to 3 feet high; and 2. to 4 feet high; and $2\frac{1}{2}$ to 4 and $4\frac{1}{2}$ feet; and best pieces $2\frac{1}{2}$ and 3 to $4\frac{1}{2}$ feet high & 5 feet high; The most forward pieces show a considerable number of panicles, some of which are entirely out & above the leaves. In other pieces, panicles can be seen only by going to the stalk & examining it.

Broom Corn. Some backward pieces only 15 inches, to 24 inches high, and 15 to 30; some pieces $1\frac{1}{2}$ and 2 feet to 3 feet high; & best pieces $2\frac{1}{2}$ and 3 to 5 feet. A few stalks near 6 feet. Some stalks show a swelling near the top, which the enclosed panicle. I noticed the tips of only one or two panicles.

Hoeing. Some were hoeing broom corn to-day. In general all hoeing is done that will be, ~~and the~~ like crop be hoed three or four times.

Haying is done in the ploughed meadow, except some low, sedge lands. In old Rainbow and middle meadow, four fifths of the grass is cut or more. Many haymakers at work, & fine weather for hay-drying.

Harvesting. The Rye is all cut that I saw, except one piece, and a man was cradling that. The greater part is in the heap, in bunches, and not yet carted. The rye in Hockanum, on lower part of Holyoke, is nearly all cut. Wheat is generally standing; but they are cutting some to-day in the meadow.

Oats are yet green - in general.

Aug. 16, 2016 Grass in Old Rainbow.

Where I crossed, the western part or half of the grass & hay was composed chiefly of leaves; & the hay is fine in a double sense. There is not much redtop, & the English stalks & panicles are dry & withered, & Clutch has but few stems & no panicles. In low places is some aira & calamagrostis with stalks, and a little Danthonia on one ridge. Some sedge and many brakes in lower part. Clover on ridges, and abundance of yellow drooping Lilies & many Erigerons, No. 3. Borsetal, pretty extensive. Dogs have in low places.

East Half where I crossed, has stouter grass, but is still chiefly leaves, except the Redtop & Triticum which is stalks & heads to greater extent.

July 1852

Wednesday 21. Grass in Rainbow cont.
Eastern half where I crossed - continued. The
Andropogons or Thatch are abundant, $\frac{2}{3}$ of
of east half, & are chiefly leaves, more broad
than farther west. Some spots of Redtop which
are chiefly stalks & panicles, and the most eastern
part is *Panicum*, with little else but stems & heads.
Red Top is more plenty farther north, and so is
Panicum. Not much Clover on eastern part.

The Thatch has shot up a number of stems
and many show an inflation at the top, but no
part of the head is yet seen, except the mere tips.

Brakes, horsetail, &c are in many places - some
Calamagrostis, *Carex*, *Aira*, &c.

Panicum virgatum shows a few panicles
not yet spread & many broad leaves.

Squirrel Tail Grass, shows its long, drooping heads.

Panicum Agrostoides ^{beginning} to show panicles in wet
lands, in ploughed & grass meadow, where the grass
was cut early.

Leaves & Spikes & Panicles.

Where English and Thatch are the principal grasses,
or one of these, the crop is mainly of leaves.

Where Redtop or *Panicum* are the principal
grasses, much of the crop is composed of stems &
panicles or spikes. *Aira* & *Calamagrostis* have
much stem & panicle. *Carex* is mostly leaves.

Species of Grass where I crossed Rainbow - were

- 1st. Andropogons - half of the whole I judge.
2. 3. 4. English Poa, Redtop, *Panicum*, *Aira*, *Calamagrostis*, *Carex*, *Danthonia*, *Brake*, *Horsetail*, *Sedum*, *Seal*, *Dandelion*, *Lilies*, *Flax*, *Dogbane*, &c. A little Squirrel tail Grass (*Elymus*)

The same 6 kinds of Grass are in Middle Meadow, and
most of the other grasses & herbs. Proportions are different.
The climbing polygonum is abundant in some places.

Flowers - I noticed few new ones.

Purple Thoroughwort is in blossom near the River.

Yellow Lilies, I had not seen before, but they have been out some time.

Rabbit-foot Clover now shows its frussy heads abund-
antly - perhaps not in blossom - not much red.

Golden Rod blossoms increase; but the greater part
are not yet open, but in bud.

Live Things.

Grasshoppers are plenty - in general only $\frac{3}{8}$ to $\frac{1}{2}$ inch in
length - some $\frac{3}{4}$ of an inch, & here & there one an inch
I saw none of the large long-winged ones.

Butterflies - Yellow plenty, some very large reddish
brown ones - *Muller's* plenty.

Crickets, plenty - quite small, generally.

Birds - hardly any to be seen this hot weather, in meadows

Bats, I have seen several times this season, but they
are not plenty - I have seen them only in village.

Humming Birds continue about the flowers, in village.

July 1852

Thursday 22.

The dry, hot weather makes much complaint. meadow does not suffer much, but dry uplands are suffering, especially in Hill Towns.

Garden Flowers, &c.

Snappers (Impatiens) are now very plenty - some
one double, but most are single.

Hollyhocks are in great glory.

Sweet Clover (*Melilotus officinalis*) has been in blossom some

Poppies are more plenty than they have been - single & double

Larkspeers continue very plenty. Some are white.

Roses of some kinds are still fresh & bright - not in general.

Cockscomb or a species of *Amaranthus*, shows its
combs terminal & axillary. Leaves green; stem
mostly green; the combs & erect ought purplish red

It is not the bloody Amaranth. Perhaps *Celosia cristata*.

Chlox. A purplish pink *Chlox* is in flower & becoming faint.

Probably the usual *Leila filix*, dwarf *filix* is also common

over hills are not open, but some buds are near opening.

Sceple Bush (*Suruea*) have been in blossom some days by
road sides, &c.

Toad Wax. Mapdragon being to blossom

Bouncing bet, a repeated flower) is in blossom by side of road.

Berries.

Wild Red Raspberries are still offered. } 8 to 10 dr qt.

Thimbleberry

Deerberries have been offered two days. 8cts. qt.

Blue Whortles are still sold. 8cts

Black or common Whortles - few or none have appeared.

all Briar Berries — are not yet offered.

Sherris red & black — one retained at 10 cts qt.

Friday 23

Saturday 24.

Rode into meadow with O. Warner, down to Venture's field,
+ followed path of V. field out to it's orchard house.

Corn on this road looks well; some pieces show an abundance of panicles -

abundance of panicles -
(Broom corn. Some very good pieces, with the tips of a few
panicles visible. Other pieces rather small.

This week will nearly finish haying & harvesting
in the meadow. I saw some wheat not cut. Much
rye remains in bunches. Potatoes look well. They
will harvest Oats next week, or some will.

Sunday 25. Son C. Parkman came last evening from Western N. York, where he has been on business with Smith, son in law of Pres. Allen, preached.

Monday 26

Parkman left us for Boston & Reading at 11 $\frac{1}{2}$ A.M.

Wednesday 27.

Wednesday 28. Carried wife to brother Parsons's, Westampton. I went up to the burying yard, to see to the setting up of a monument at my father's grave, which was carried out to day by Kinney & set up. Brought in the old one.

Thus day 29

Friday 30

Saturday 31

August 1852.

Thermometer

Sunday 1. 55. 75. 56.
2. 47. 73. 56.
3. 47.

$\frac{2}{3}$ Fair.

N.W.

Fair

N.W. S.E. &c

Wednesday 18. 48. 82. 60

Fair. dry. dusty.

S.E.

19. 56. 86. 62

Fair

Southerly.

20. 60. 68. 63

Cloudy. some rain

N.E.

21. 60. 76. 64.

mostly cloudy

S.E. S.W.

Sunday 22. 55. 78. 58.

mostly Fair

Southerly.

23. 50. 76. 66.

mostly cloudy.

Southerly.

24. 60. 81. 69.

pt cloudy. $\frac{2}{3}$ Fair

S.E. S.W.

25. 67. 83. 70.

pt cloudy. Rainy P.M.

S.E. S.

26. 68. 85. 71.

mostly Fair. Showers in evening.

N.E.

27. 69. 86. 66

$\frac{1}{2}$ cloudy or more. Sprinkling P.M.

S.

28. 59. 77. 67

mostly cloudy

N.E. & various

Sunday 29. 59. 62. 57.

Rainy day & night

N.E.

30. 57. 72. 63.

mostly cloudy

N.E. N.

31. 54. 82. 60

partly cloudy.

not observed

82 2 : 109 4 : 89 6

Temperature of the last 14 days.

At Sunrise $58 \frac{10}{14}$

At 1 P.M. $78 \frac{12}{14}$

At 9 P.M. $66 \frac{4}{14}$

Average $66 \frac{40}{42}$

A little warmer than the two Augusts past.

August 1852.

Sunday 1.

Monday 2.

Living Things.

Shad were for sale here last week, caught at Enfield Falls.
Singing of birds is now rare in open lands. Saw
at heard at our house. The wrens sing in the morning.
Humming Birds frequent the beech blossoms & other flowers.
Flies are troublesome in the house & to animals.
Muskeles are rare in the house.
Crickets begin to be more regular in the evening; but they
are yet solitary; one here & another there, but their
regular sing song has just begun. They are $\frac{3}{8}$, $\frac{4}{8}$ or $\frac{5}{8}$ inch
long in meadow.
Locusts, so called, begin to shrill July 29 & 30, & continue.
Lightning Bugs continue, but not so plenty.
Grasshoppers in meadow are generally $\frac{3}{8}$, $\frac{4}{8}$ or $\frac{5}{8}$ inch long. a few are an
inch, and then are some of the long winged ones, 1 inch or more.

Fruits.

Ripe Apples have been for sale some days.
Ripe Pears, very small, (Dr. Hooker's & others) have been offered.
Potatoes, new & old, are both sold - new 6¢ bushel, old 4¢.
Owing to dry weather, new ones are not very plenty yet.
Turnips, beets, onions, squashes, cucumbers, &c. are sold.
Blue whortleberries continue to be sold.
Black do or common; few or none are brought in yet.
Rumney Berries or Dewberries are plenty.
Tall Briar Berries are not yet offered.
Pears larger than above begin to be ripe.
Shelled beans, we have today.

Crops.

Haying. Harvesting & Hoeing are generally com-
pleted on good land, & its excepted. Some grass
in low, wet places, is not cut; and in hill towns much.
The hay crop is lighter than usual - but secured
in good order.

Hoeing Corn & Broom corn - Generally 6 weeks in all.
first hoeing was from May 31 to June 12. 2 weeks
second do " " June 14 to June 26. 2 weeks
third do " " June 28 to July 11. 2 weeks

Some begin to hoe a week sooner, & more continued
a week later. Those who hoe 4 times, get through about
as soon as those who hoe 3 times.

Haying. Hornelots were generally mowed from June
21 to July 1. Meadows were mowed from
July 1 to August 1, or to July 28. Meadow haying
occupies about four weeks.

Harvesting Rye was done from July 15 to 25 - most of
it from July 15 to 22. Wheat is cut from 5 to 7 or 8
days later than rye, say July 21 to 29 or 30.

Examination in S. Meadow. P.M. from Fort Hill.

Corn is generally in blossom in both meadows. That
is, the panicles are out, & full of anthers; & the silks are
out. Some pieces, however, exhibit only a part of the panicles
& few or no silks, & are not in blossom.

Broom corn shows a more or less panicles, but some
wholly - from the tip ends to half or two thirds of the length.
much the greater part of pieces ~~shows~~ but a small
part of the panicles visible. Not one in ten is yet visible,
except in here & there a piece - not one in twenty or thirty in some
pieces as, perhaps not one in fifty in some.

Oats. I saw some cut in bunches. Some not cut, & some
Potatoes, generally in blossom.

Rowen. The prospect for this is poor, in meadows & uplands.
It is chiefly clover on good uplands.

August 1852.

Monday 2, & continues

Garden Flowers

Common Phlox is the most common & showy flower - hues from pale pink to purple. The lower, shorter phlox is not uncommon. Buds of the tall is white.

Tiger Lily accompanies the phlox as usual, but is some days later. Has showed blossoms only 2 or 3 days and but a small portion were open now.

Hollyhocks are plenty & showy, the most handsome, are of various hues - some almost black.

Snappers are plenty, various hues, some double, more single.

Zinnias are now showy have been out some days.

Bells, Canterbury bells are gone, but there are many smaller ones, including Campanula trachelium at West.

Neverfew, double, is plenty.

Chrysanthemums - some are in blossom

Marygold. I do not see the large yellow, sinking ones yet. There are smaller strong scented ones, and

Calendulas or Pot Marygold

Syrian Hibiscus, called Althea has been in blossom 2 or 3 days.

Gomphrena globosa. Purple globe flower, is in blossom at West.

Blue Lily with leaves like Japan Lily. Flowers are withered.

Coreopsis of two or three sorts, continue in blossom.

Trumpet Honeysuckle continues to blossom.

Patillas. A few are seen; not many.

Petunias, Portulacacas, Echscholtrias, Lark's purs,

Mallows, catchfly, radish, Lake, Poppies,

Grindylift, white, purple, mourning bride, some pinks,

some of Peas, some Roses, & others continue to blossom.

Red & pale Balsam, & Asperula.

Smoke Tree retains its plumose filaments. They are light brown.

Jack-o'-lantern, with green leaves & stem, & with red leaves & stem.

Cardinal flowers in garden, are waning, bright red.

Siberian Mullein continues to blossom at West.

Ragged Lady is in blossom.

Field Flowers

Steeple bush (spirea) very plenty on Road to W. H. July 28

Common low Thistle (C. Pinnata) plenty on do. "

Yarrow, loosestrife 2 or 3 more kinds, Eleanore,

Everlasting, All heal, meadowsweet, Dogsbane,

Orange Daisy, White Thoroughwort, red flowered Lesclapier

Stemless wort, Wild lettuce, Mullein, Fleabane &c. 3.

Wild Basil, & others were in Westhampton road

and are in Northampton.

In N. H. Vervain blue & white, Sealisk, Galium,

Cicuta, Mayweed, & Wild Sunflowers are plenty.

Virgin's Bower just begins to blossom.

Jewel Weed (Impatiens) has flowers at Port Hill.

Golden Rods are plenty & increasing.

Garget on Route Road has buds, flowers, small

berries, & full grown berries yet green.

Bouncing Bet by Roadsides has abundance of flowers

The Season differs little or none from 1851 as to forwardness.

August 1852

Monday 3.

I am this morning preparing to start with Oliver Warner & others for Groton point below New London, to spend a little time by the seaside. My head continues to trouble me - feeling disagreeably, and I am at times rather lightheaded or approaching to giddiness or dizziness. I have been troubled now for 12 months, but not all the time. My complaints of heart & sides, I do not feel much now.

P.S. I went down to Hartford & thence to Millville by Rail Road. There took Steamboat & went down the river & round to New London. Then in another boat went down 3 miles, to the Ocean House, improperly so called, on the Groton side near the point, where the river meets the Sound. Remained there almost 13 days with a company of 40 or 50 persons. Bathed in salt water almost every day. A Mr. Fisk rent the house.

Monday Aug. 16 I came home in Steamboat to Norwich and by rail road thence to Palmer, Springfield and N.H. My expenses have been \$15.14. (see disc. 11. near end.)

I rambled about a good deal - went up to New London 5 times & back, besides up to Groton opposite N.H. to meeting one Sunday & up to New London to meeting the next Sunday; only half a day at each place. Of these 7 times, I walked up 5 times, & walked back 6 times - went upon a boat twice & down once.

I went in a Steamboat to Stonington one day, & back; and on another day went in a boat to Mystic; then walked northerly 3 miles, & back to Fisk's about 9 miles - making 12 miles on foot that day.

I walked from the fort below New London out west to Mikantic bay, & came back by the cemetery north of New London, & home on Groton side, making at least 13 miles that day.

I walked one P.M. from Fisk's round Pasquonnet flats and on to Fort Hill & back, about 10 miles. I had many shorter walks of a mile or two after berries, &c.

I called upon Miss F. M. Casketkins at New London 5 times, & dined at Mr. Haven's (her brother's) 3 times.

My head was more free from trouble the second week that I was near the seaside than it has been for some months.

Tuesday August 17.

Wednesday 18.

The season & the state of vegetation, seemed to be about the same in Connecticut as in Northampton, where I went down & when I returned. My impression is that the rough, rocky towns on the sound are not so forward as to vegetation as Hartford. There is stout Indian corn in Groton, matted with sea weed and rock weed, but it is no more advanced than corn in N.H.

There is complaint of drought from many parts of the country. Connecticut pastures look very brown and dry, or many of them do. It has been very dry here, but corn seems not to have suffered much.

August 1832.

Thursday 19.

Catadids I heard a new arrival, in the evening of Aug. 16, in Nassau Street. Brother Matthews says they have been heard for 10 or 12 days, or as early, he thinks as Aug. 8 or 9, perhaps not before the 10th. They are in King Street London near D. Whitney's.

Crickets. Their regular evening sing song is now much as it will be for a month to come, or longer.

Grasshoppers. Their evening noise is heard.

Lightning Bugs. I saw 2 or 3 on evening of Aug. 16. On evening of Aug. 24 I saw none.

Locusts. I hear the noise attributed to them - but it is rare.

Flowers.

Tiger Lily & **Tall Phlox** } I found these flowers in many places in Connecticut - and they are plenty in Northampton, as usual at this season.

Syrian Alpiscus, called Althia. Flowers make a fine appearance.

Sunflowers, tall & large, show themselves.

Clethra has been in blossom some time. [This plant grows with abundantly in Grafton, Con., & was in flower two weeks ago, among the rocks & mud.]

Japan Lily. Mr. Shepard's began to show open blossoms Aug. 17. Perhaps a blossom or two Aug. 16, before I arrived. P.S. Julia Shepard thinks there was one flower on the evening of Aug. 15 - same as last year.

Marygolts. The large yellow, strong scented Marygolts are now seen.

Marsh Mallows have been in blossom a few days.

Dahlias show themselves; but buds are much more plenty than flowers.

Many of the flowers noticed Aug. 7. still continue, as **Zinnia**, **Cockscomb**, **Snapdragons**, **Larkspur**, **Portulacca**, **Poppies**, **Sweet Peas**, **Cockscombs**, small **Marygolts**,

China Asters, single, appeared Aug. 20. & **double ones** Aug. 23.

Berries, &c

Deoberries seem to be gone.

Black Currants } seem to be plenty and are now sold at 6 cents per quart.
Black Cohort Berries } ^{from Cringwick, &c} ^{from Shutebury, &c} have been sold at 8 cents & 7 cents.

Great quantities of berries are sold here.

Potatoes, **Apples**, **Pears**, &c are somewhat plenty.

Green Corn is for sale, & has been some days. [I picked some 20th Watermelons raised in Easthampton are for sale.

Tomatoes - very few are ripe here. Mr. Shepard has had ripe ones for a week.

Shelled Beans are now plenty in most gardens.

Apples & Pears become ripe by degrees.

August 1852.

Thursday 19.

Hopkins & Peninck came from Augustus at 10 o'clock evening. Left A. at 5 $\frac{1}{2}$ this morning. Almost 300 miles in a day, & stopped 3 or 4 hours at Boston & Springfield. Mary Hall here - has been at bro. Matthews some days.

Friday 20.

Saturday 21.

Hopkins left us at 6 PM for New York.

Sunday 22.

Mr. Eldredge, said to be of New Bedford, preached.

Monday 23

Tuesday 24.

Wednesday 25

Thursday 26

Friday 27.

Arcthusa came by way of Greenfield - Sister Smith with her. Arcthusa has been to Augusta & is returning to Brooklyn Ct.

Saturday 28.

Sunday 29 Rainy

Monday 30.

Walked over to brother Johnsons at Hockanum P.M. with Sister Smith, Peninck, brother Matthews, two girls, and Arcthusa - came back after tea.

Tuesday 31.

The six Daughters of father Hall were at my house at dinner, and at brother Matthews at tea - Hippie, Sally, Betsy, Irene, Arcthusa, Drusilla.

Crops, &c.

The late copious rain has refreshed every thing and grass is putting on a more green color. The Woodson, Colyoke retain a vivid green. No change of color noticed at a distance.

Corn & broomcorn are much bent over by the rain & wind, in meadows & uplands. Some is almost flat. The broom corn is more bent down than Indian corn. The giving away or bending is at the roots. The stalk remains nearly straight. Both crops look well as to ears & panicles, but need more warm weather, to have ripe corn & broom seed. They are however, I judge, 2 or 3 days forward of last year. Buds of burgrass begin to adhere to clothes.

Sept. 8. I find that the corn & broomcorn in the meadows have righted themselves very much, & seem very little injured by the wind. Corn is generally too hard for roasting ears, & has been some time & the husks about some ears are turning white - generally are green. Corn is riper in Hockanum meadow than in South meadow.

Broomcorn is about middling. Seed is ripening but it requires 10, 12 or 14 days more to have the seed generally ripe.

Pumpkins. There are many that are yellow, and partly yellow, among the corn.

September 1852

Thermometer.

Wednesday, Sunrise, 10 P.M. 9 P.M.
day 1

1	48.	80.	65.	Fair & pleasant.	Wind not observed.
2	57.	85.	69.	Fair mostly	" " "
3	58.	85.	63.	Half Fair	" S.W.
4	56.	80.	55.	Mostly Fair	" N.
5	115.	72.	50.	Fair	N.E. N.W. &c.
6	45.	79.	60.	Fair	S.W.
7	50.	82.	62.	Fair	—
8	52.	84.	66.	Fair	— Southw.
9	56.	85.	66.	Fair	— S.W. &c
10	60.	78.	66.	Cloudy. Some Rain P.M.	Southw.
11	64.	77.	67.	Cloudy. Rain in Evening & night.	Southw.
12	67.	73.	66.	Rain & 11. Cloudy P.M.	S.
13	54.	64.	43.	Fair - cool -	N.W.
14	40.	72.	58.	Mostly Fair	S.W.
15	54.	62.	54.	Cloudy. Some Rain A.M.	S.E. N.E. &c
16	41.	66.	48.	Fair	N.W.
17	37.	60.	43.	Fair	— N.W.
18	37.	70.	48.	Fair & Pleasant -	N.E. N.W.
19	40.	73.	54.	Fair mostly	S.
20	47.	77.	62.	Fair mostly	S.W.
21	59.	77.	66.	Cloudy mostly.	S.
22	57.	71.	58.	Fair mostly.	W. N.W.
23	44.	69.	46.	Fair	N.W. N.E.
24	38.	65.	50.	Mostly Fair	N.E. S.
25	50.	68.	57.	Mostly Cloudy	S.E.
26	55.	65.	45.	Rain in night & morn. Fair P.M.	N.W.
27	42.	60.	50.	Fair mostly	N.W.
28	45.	73.	58.	Rain in night. Day Fair.	N.E. S.W.
29	49.	61.	38.	Mostly Fair in day	N.E.
30	33.	56.	40.	First Frost. Fair.	N.E.
1480; 2469; 1673.					

Temperature

At sunrise $49^{\circ}\frac{12}{30}$
At 1 P.M. $72^{\circ}\frac{20}{30}$
At 9 P.M. $55^{\circ}\frac{23}{30}$
Average $59^{\circ}\frac{12}{30}$.

September was a pleasant month. Some foggy mornings.

Money Matters - Sept. 10.

Receipts. Balance under May 1. 31.27
Sept. 14 son & Walker \$10.00 on his note 10.00
\$41.27

Expenditures

Sept 11, 12 Stamps 36^c Potatoes, 9 Cheese 17^c Beef 33^c Butter 87^c \$1.87
17 Crackers 12^c Butter 80^c Smoked Fish 16^c Lamb (had weeks ago) 56^c 1.66
20 Peaches & Apples 10^c Postage 19^c Ferriage, &c. 12^c Potatoes, sweet 17^c 0.67
Oct. 2 Beef & lamb 70^c Potatoes 13^c cherries 10^c Banding book 75^c 1.68
Ink 30^c Pins & baggage 25^c Cheese 18^c Sausages 58^c 1.31
Oct 2. Balance to new account Vol. VII. page 2 34.13
\$41.27

September 1852

Wednesday 1.

I waked up about 1 o'clock this morning with a severe pain in the bladder, & about it. Sent for Dr. Walker between 3 and 4. I suffered much pain for several hours but it gradually subsided, and was nearly gone at 9 o'clock P.M. My stomach also was out of order & I had much nausea, which continued all day.

Mr. Jones & his wife Sarah (daughter of Sister Smith) came P.M.

Thursday 2. Slept well, & felt comfortably this morning. We had Sister Smith & Mr. Jones & wife to dinner. They went away at sunset. Arthur remains.

Friday 3.

Saturday 4.

Arthur & Peninnah left us this morning for Brooklyn N.Y. Frances is now at Brooklyn.

Sunday 5. Went A.M. to meeting.

Monday 6.

Tuesday 7.

Wednesday 8.

Walked down to Hockanum meadow & back P.M. Brothers Parsons & Matthews rode down.

Grass. Some persons were haying in Middle meadow. The mow is light almost every where but has improved since the rain.

Tall grasses are conspicuous, but there is not much filling up between the bunches.

Andropogons of three species are prominent in Hockanum meadow, & are seen in Middle meadow - give a reddish brown appearance. Were in Hockanum meadow, east of the river when I was there Aug. 30. The *A. scoparius* is on the higher, lighter parts. The *A. furcatus* & *A. nutans*, are on better land - more or less in bloom. I think the *A. nutans* is the most plenty.

Panicum Virgatum - is on edges of meadow & elsewhere ^(in bunches). Long leaved *Carex* & *Panicum agrostoides* are in wet places.

Ecnchrus tubuloides or Bur Grass is abundant in the ploughed meadow, Hockanum, where rye grass, and by the path. The burs adhere to garments so as to be troublesome; and stick to fingers.

Haying crop, has commenced in home lots, crop not heavy. Grasshoppers, Crickets, Butterflies, &c as usual.

Chimney Swallows. I have not noticed for some days. They are gone, I think [yes, none seen after].

Plums have been ripe a week and some two weeks. many not yet ripe, are sold.

Pears, some ripe & gone, some now ripe. Some not ripe much like Apples.

Watermelons & muskmelons have been plenty some time.

Peaches have been brought from New York some time. 10¢ doz.

Sweet Potatoes have been here about a week, not very good.

Berries. I believe none have been offered since September began.

Orion grapes are sold. ^(Some offered Sept. 13th last time)

Peaches from Walthampton & other places are sold 5¢ & 11¢.

September 1852.

Thursday 9

Friday 10

Saturday 11

Sunday 12

Monday 13

Son J. Walker came at 3 P.M. Has been to Augusta, Me.

Tuesday 14

Son J. W. left us at 6 P.M. for Brooklyn, & N. Y.

Wednesday 15

Thursday 16

Garden Flowers.

Asters, *Geraniums* & *Nipheas* are plenty & showy.
Clematis, large & small, make a fine display.
Sedum flower resembling a Dahlia but is not identical.
All principal flower. *Ornithogalum* (rock-roses), are bright.
Crocus, single & double, Eschscholias, & small ones
in the garden, sweet peas, *Geraniums*, lady's lake blossoms.
Some other things in blossom. *Wisteria* large
Japan Lily still in blossom, but beauty is mostly gone.
Tall chlox, a few purple, & more white remain. Some low index.
See flowers Sept. 14, 1850. - This season differs little from that

Wild Flowers

Are much as Sept. 14, 1850. - See also Sept. 1, 1850

Star flowers & Golden rods are prominent.

Gargot on Rail Road shows buds, flowers, green & ripe berries.
Sedum plants are plenty in places.

Berries of several kinds are bright - of the ash, high Camberries,
relating to scandens,

New yellowed ones from Round Hill.

Broom Corn seems to cover a large portion of
the meadows in this town & Hadley, i.e. the blighted meadows.
It has a rich color, I can hardly define the color but it is
compound of reddish, yellowish & brownish, made by the
seeds will be reddish brown, if frost holds off for some time.

Indian Corn in the meadows Much of it has been cut up
& put in bunches within a few days - fear of frost has led
people to cut it up. Considerable remains uncut;
the tops or panicles are of a much lighter brown than
that of the broom corn panicles.

Tobacco much of the ^{was} cut up & hung up in buildings
to dry (as I see) - though fear of frost. It is
cultivated by only a few.

Potatoes. I hear of no disease about here. Crop is not heavy.

Weeds in the Garden

Same as those noted Sept 10, 1851

Foliage.

Trees in the village & on the hills & mountains are
green. The casual observer hardly notices a change. Not
a change began but the 1st of September in some things, especially
Stemmes. Some branches of red maple are changed. White Birch
on Round Hill have some yellowish leaves. Hazel berries have
some reddish leaves. *Amelanchier* leaves in village begin to turn purplish.
Sutthorn have some yellowish leaves.

September 1852.

Friday 17

Saturday 18.

The Meadows.

I walked P.M. from the Hawley Street lot, across the meadow to Bark Wigram, & into Old Rainbow; thence up Old Rainbow to near the upper end, & crossed that meadow & Young Rainbow & the higher meadow to the street near Josiah Parsons's

Indian Corn—The husks of some pieces, are not green, but are turning white on many pieces & some ears are quite ripe. Not more than a half of the corn is cut up & put in bunches. Many are now employed in cutting up. One blow with the cutting instrument cuts off a hill near the ground, & the other hand holds the corn on the hand & arm. 8, 10, or 12 hills are put in a bunch around a standing hill—so it was, when I saw the work. The stalks are bound together by stalks near the top of the bunch. One piece, ploughed. Good pieces of corn have stalks from 6 to 7½ feet high; Decent corn from 6 to 7 feet; some only 5½ feet; and a little 8 feet high.

Broom Corn—has become quite reddish brown & much of the seed on good pieces is ripe—some of the seed shows the white, having burst the outside covering, in part. I found some broom corn tabled or lopped, and two pieces cut; and the land of one piece had been ploughed and sown—So the work of gathering has commenced.

Good pieces of broom corn are from 7½ to 8 feet high—some from 7 to 8½ feet high; some decent corn only from 7 to 8. Some hills are 10 feet high, & some higher than that—some only 6.

Potatoes—Some tops are green & some dead.

Weeds in Indian Corn & Broom Corn.

Ragweed, Beggarticks, Carex, Tick grass, Branch Agrostis, Horsetail, Hearts ease, Arsmart, Convolvulus, Foxtail, Setaria and Cockfoot Panicum (both called barn grass), Canada Thistle, Clover, Dewberry, Wild Radish, Carpet Weed, Purslane, Amaranthus, of 2 or 3 species, Digitalis, a little; Sorrel and wood Sorrel, Triticum repens, on edge of field; Pigweed a little, Plantain, mostly in paths, Small Johnswort.

Sept 24. Weeds in Rye Stubble. — Foxtail, Setaria the most common; Ragweed or wild wormwood; Rabbit foot Clover; A little box; Canada Thistle; Tick grass, Horsetail, Sorrel—mostly the four first sorts. When Clover is sown, the weeds are similar but not so many.

The Rattle box is abundant in some pieces, in vicinity of Bark Wigram & in some at a distance from B.W. The pods are mostly black & ripe; and at every step the seeds rattle, & the pods snap, snap under the foot, as if popguns were there, but sound is more sharp & is perhaps like parching corn.

Grassland has many of the weeds in ploughing, and some not there.

Frost: no signs of it in meadow except some pumpkin vines withered—Pumpkins seem plenty. 61

September 1852

Saturday 18 - continued

Misc. 16.1
p 104

Old Rainbow.

I found 13, or more of this meadow mown. The grass has increased since the rains, and though much of the crop of rye is light, almost all the meadow will be mowed the second time.

The Andropogons have stems 1 1/2 to 3 ft. high, & the heads give a slight reddish-brown hue to much of the meadow, though but a small part of the whole andropogons. Hook up stems. The great part have only 4 leaves. Andropogon furcatus & c. ^{much} are more plentiful than A. scoparius. A. furcatus has 4, 5 or 6 leaves on a stalk, but A. scoparius has only 2 or 3 leaves on a stem. A. furcatus often has branches, but I find no A. nutans with a branch.

Other grasses. — are English Poa, widely scattering. Priticum repens, in the accustomed places; clover in usual places; Red top must be common, but is not conspicuous anywhere in this crop; Foxtail. Setaria (a barn grass) is widely spread, but is low and short heads & seeds very little to the eye; many Agrostis.

On low wet ground is long leaf Carex, making a swath in spots, & other Carex; and Dogsbone, and brakes, and Panicum agrostoides; and near by on drier ground is some Holm Agrostis.

On sand, or where sand has been within a few years, is Panicum virgatum in bunches, & knotfoot panicum, some weeds, a little Digitalis; and much or most of the Priticum is on this land.

Cenchrus Pibulooides or Burr Grass is where sand has been; it is extensively scattered where the grass is light, and adheres (to the burr) to garments and fingers.

Brakes or Fern } These are all mown in the rye
Dan delions } and are extensively scattered.
Field Horsetail } They make some increase of hay

The only grasses that have flower or seed stalks in this crop are the Andropogons, clover, panicum virgatum, panicum agrostoides, and the annual grasses (barn grasses).

Proportions of grass — are not very different from last year (see Sept 10, 1851). The andropogons have the tallest leaves, & seem to be less affected by dry weather than other kinds. They have everywhere a second crop. Red top seems to form but little of the rye, but is not readily distinguished. Leaves of some Carex are as long or longer than Andropogons. — I think I should put Andropogons at $\frac{13}{32}$ this year.

Forests.

Holyoke & Torr, as seen from the meadows, are all green — no red nor yellow. The evergreens are a little darker than deciduous trees. The valley of Connecticut & Port rivers show some change in color but not much — nothing bright.

Live Things.

Grasshoppers & Crickets continue to sing & leap. Larks continue in the meadow. Bobolinks are gone. Crows are seen — but do not meddle with corn ^{ripe} ripe or green, so I was told. Their ravages are chiefly confined to spring — Blackbirds seldom meddle with the springing corn or the ripe corn. Mice sometimes eat corn when in bunches.

September 1852

Sunday 19. Prop. Smith preached.

Monday 20.

Tuesday 21

Wednesday 22.

Thursday 23

Friday 24.

Swathed down to Hockanum Island, P.M. crossed to the east side in brother Johnson's boat; went up to Hockanum street, & then crossed the river & came home.

Forest Trees.

Colors are little changed. Sumacs, Amelopsis, and hawthorn in y have some red leaves. Some branches of white maple have changed color. Butternuts show many yellowish leaves; and elms begin to show yellow leaves, or some do.

On the mountains, in general all is green, but yellowish leaves are seen about steep rocks, probably birches, and there are some changes near the edge of the woods, but they are slight. On the whole the woods is yet green, though changes are commencing, some have begun.

Indian Corn.

Where I went, most of the corn was in bunches, & that not cut will not now be much injured by frost. Many cut it & lay it down & bind each little bunch, and then bind them in a large bunch which stands without the aid of an uncut hill. Corn is fast ripening.

Brown Corn.

Several have begun to top portable brown corn & to cut it from the stalk; & a few have carried it to their barns - very few. The greater part, yes 19-20ths, or more than 9/10 remains standing except some was much inclined by the wind. Most of the seed of good pieces is ripe, and the tops now present the rich reddish brown color of ripe seed.

Grass.

About 2/3 of the middle meadow has been mowed the second time, and almost all will be mowed, though the crop grown is not stout. It is fine & good, & it is expected that hay will be somewhat higher. The upper meadow does not yield much mowen.

Sept. 18 On the stubble, grows the foxtail *Setaria* abundantly; rabbit foot Clover, Ragweed, & on some pieces much of the Rattle Box which snaps under the feet, some little grass, &c.

The *Setaria*,

a barn grass, annual, is found in all grass lands, or all our mowings, including O. Rainbow and middle meadow; & in all stubble & sometimes tall & pretty thick, & often very small & thinly scattered.

Crickets

made an isolated noise in the meadows, but not a regular kra-kra in unison until I reached the outskirts of the village - Cool weather affects them some.

Katadids

Have been almost still some cool nights. They have been extended more than usual in the village this season. Have heard them in new places.

Saturday 25

Sunday 26

Monday 27

Tuesday 28

Wednesday 29. Frances here

September. 1852.

Thursday 30

I went with brother Matthews P.M. over the river & to the top of Holyoke, returned at sundown.

Foliage.

This is generally green on mountain and lowland. Some shrubs have changed color, and a few trees or parts of trees. I must defer the particulars until tomorrow in next book.

The Frost of last night or this morning is the first we have had, & this was not severe. It has killed some squash vines in gardens but not beans. Has only nipped Tomatoes & Dahlias. In the meadows, it has killed some pumpkin vines, indeed most of them; but I did not perceive any other damage. Saw no effects of frost on the mountain.

John Symon's family

Elias Symon, son of the 2nd John & Hannah (Ellen) mar 1736
died 1790 aged 80

Children:

Hannah born 1737 mar Joseph Blake

(Rachel " 1738 " John Strong Jr

Elias " 1740

Joel " 1742

Sarah " mar John Strong Sr

Jonathan " 1748

Ezra " 1744 and 1762

Abigail " mar David Woodbridge

Will 1779. Exec'd after
Jonathan's death in 1786.
Purchased 1790. Three sons,
Elias, Joel & Jonathan.
Four daughters - Hannah
wife of Jos. Blake; Rachel, wife
of Jonathan; (children of)
Abigail, wife of John Strong;
Abigail, wife of Joseph Woodbridge

Elias Symon lived at the South Farms before when his grand-son
Charles & three - Samue lived was on the country him; his son Joel, north,
and Elias still farther north. He intended to have Jonathan live
on the old homestead, but he died in 1786, before his father's decease,
leaving a widow Lois (Blake) and six children, viz.

Jonathan Symon & Jonathan born 1772

Lois (Blake) mar

Charles " 1775

Eliza " 1777

Roxana " 1779

Sophia " 1781

and 1763 agree 69

Kind of Hay

may be called. Her first husband was
Johnston.

Capt. William Lyman, son of Benjamin, died March 12, 1859, aged 59.
 2nd. Fennia (Sheleor) mar. died 1785, Feb. 18, aged 59.
 1st. Rachael (son) died 1747, Aug. 11.
 Children
 Rachael born 1749, died May 20, 1859, aged 109, after 10 months
 mar. Dr. Wm. Mathew 1774.
 William " 1755
 Cornelius " 1758
 Abahe " 1760 and
 Levi " 1763
 Samuil " 1765
 Fennia " 1765
 Susan " 1765

His wife signed March 4, 1774.
 His wife's will, Dec. 2, 1784.
 At his decease father became
 there were 4 sons & 3 daughters
 living.

John appears probably

Joseph Benjamin born 1763 aged 63
Eligal (also) (offspring) died 1776 aged 75

Children
Eunice born 1728 married Clark
Mary " 1729 married Hasley by 1752
Joseph " 1731
Elinor " 1733 died 1734
Elisha " 1734
Elinor " 1737 married Oliver Benjamin 1761
Two sons & three daughters were
living at the decease of the father.
His valuation, by which the tax was
made in 1749, was 167£. There were only
persons in the town whose valuation
was above that sum.

Joseph Benjamin made his will 1762. He left 2 sons & 3 daughters.
He had built a house for his son Joseph on the northern part of his lot next
to Bethedyn, and he now gave to Joseph one half of the homestead on
that side, extending from the street to Little river, & the homestead was
thus divided into two lots. He gave to Elisha (and his mother who had the
use of a part of the house, land & during life) the other half of the old home-
stead, next to Elisha's, with the house, shop, 100 m² of pasture. The
lands at 180 m² the Weymouth, &c. and other property were given to the
two sons. The daughters had received their portions.

(Benjamin) married Benjamin, died May 1, 1762 aged 59
Mary (Widely) died Aug 17, 1782 aged 75

Children
Elinor born 1729 died
Mary " 1730 married Oliver Benjamin
Hannah " 1731 married Daniel Williams
Jermel " 1735
David "
Benjamin "
Elinor " married Roman Romney
Charlotte " married Oliver Knight
Solomon " died 1746
Will died 1762. His wife Mary
survived him - 2 sons and
4 daughters. He gave mostly his
property to the 3 sons (and his wife) -
to Mary Romney 10£; Hannah & Ma-
riam 12£; Esther & Martha, 10£ each.
was under 18 & Martha under 14.

Benjamin Benjamin was one of the early settlers in that part
of Northampton, which is now Easthampton. His three sons
lived there also. He first settled on South Street, on a part of the
old Hutchinson lot

John Hyman's descendants

Charles Hyman and John M. Dec 25, 1901 age 38.
Charmie

Children
Charmie born 1887 died
Charles " 1889
Hannah " 1891 died 1903
Charlotte " 1893 died 1894
Charlotte " 1895 married Elwyn Boutwell 1915
Bethiah " 1898 married Elwyn Boutwell 1940
Sarah " 1900 died 1900
Elias " 1901 died 1903

Charles Hyman, the cousin of John Hyman, son of Richard, in 1889 purchased of Harbison Walker, the first lot on Pleasant Street which has been given this name, Rev. Elwyn Walker. The house and lot were divided between them by definite limits. Both families lived in this house for some years, until the estate was purchased by Charles.

Charles died intestate at the age of 38, in 1901, and a division of the estate was made in 1907. He had no children, but only three were living in 1907. In 1901 there was an additional settlement in relation to the land at Northfield, which sold to the heirs of Charles, being a part of the estate, their grandfathers. At John Hyman's, Northfield, was broken up by the division years, for many years the land there was of no actual value. After the fire of 1913, Northfield was re-settled and built, and the land became valuable. Those belonging to the heirs of Charles Hyman were offered at 319 1/2; the widow received one third of the land, Charles one third, and Martha & Bethiah one sixth each.

Call. Charles Hyman, son of Charles, died March 24, 1962 age 73. Children
Elias born 1713 settled in Goshen, Conn. William died June 1958. He gave to his wife and son Seth the house, land, etc. in Northampton, to Moses & Simon the land in Conn. and 25 acres in Salisbury to Elias his land in Northampton, to Isaac & Jonathan Hunt 1734 13410, to 6 of 18 women living 1734
John
Charles born 1713 settled in Goshen, Conn. William died June 1958. He gave to his wife and son Seth the house, land, etc. in Northampton, to Moses & Simon the land in Conn. and 25 acres in Salisbury to Elias his land in Northampton, to Isaac & Jonathan Hunt 1734 13410, to 6 of 18 women living 1734
Some of them had received the portions were living at the decease of the father in 1762. Seth was the only son that remained in Northampton

John Lyman.
John Lyman's land. His homestead was the 3d on the west
side of Pleasant street & was described as follows upon the
(Hemlock) street, being 13 rods wide, the rear building upon the
Molliner south, being 9 rods wide, the lands bordering upon
Richard Lyman east, and the lot reserved for the minister westward,
being two acres more or less.

Abner Lyman. The town gave him 38 acres in the meadow, viz. above
the 3d square, viz. 14 at Flamingo, in Leonard's field, viz. the
great square, viz. the whole, & other places; & he has also some pieces.

John Lyman was a brother of Richard Lyman
(for some account of the family see Richard). He was a respectable
individual but not a well qualified for public affairs as Richard.
He was an officer in the militia many years, & several of his
commands were distinguished in military affairs. He was
chosen "ensign & carrier" in 1666 and appointed by the County Court
and a few years before his death he was chosen lieutenant. He was
of a militia officer were extremely anxious to understand in these days,
and there was no discharge for officers or soldiers, until infirmity
or old age rendered them unable to perform the services.

On the 17th day 1676, 120 mounted men collected from Flamingo
(Fall River) Southampton, Haverhill, Haverhill, commanded their march
from Haverhill to attack the Indians at the battle above described.
They were commanded by Capt. Lyman, the following troops, Capt. Hodge
of Flamingo, & Capt. Lyman of the Haverhill. About the
same day, on the 19th, the Indians were attacked in their camp.
100 were left dead on the ground, & 110 were driven into the river.
Flamingo over the capture were drowned. Other Indians in the
vicinity attacked the troops on their return, throwing them into
confusion; Capt. Lyman was slain, & Capt. Hodge, after a long
severe warm attack, arrived at Haverhill with the loss of 38
men. Capt. Lyman was undoubtedly engaged in other conflicts
with the Indians, in the course of that war.

At John Lyman died on the 17th August 1691 and bequeathed
of the first sitting of the court died the same year. He died
His estate, in estate. The inventory of his estate, presented to the Court
in Sept. 1690, amounted to \$115.

1. Rev. John Lynam ... died Aug 20. 1690 aged 66.
died Apr. 1725 aged 90

Children

Elyzabeth born before removed to Northampton
Sarah born 1668 married Samuel Wright 1677
John 1660
Moses 1663
Percy 1665 married Jakey Bricket 1691
Mary 1667 married John Hale 1692
Ephraim 1669 died 1669
Joseph 1671 died 1691
Benjamin 1674
Ephraim 1678 settled in Boston

2. Rev. John Lynam, son of John, died 1740 aged 81. (see 8.)
Whitwell (Pomeroy) daughter of Abigail & John Pomeroy
and sister of John Pomeroy mar 1687, died 1735 aged 70

Children

Whitwell born
Dorcas 1690 married John Howard 1708
John 1693
Percy 1698 married Benjamin 1724
Elyzabeth 1700
1702 mar & Elyzabeth Whitwell settled in
without resort to the Quakers.
Ephraim, however, that he left
sons, John, Elyzabeth, & John,
and daughter

3. Rev. Benjamin Lynam, son of John 1st. died Oct. 14. 1723, aged 50.

Martha (Pomeroy) mar 1698 Ed. Whitwell & Andrew & Francis — died Sept. 18. 1773
aged 91

Children

Joseph born
Benjamin 1701 died 1702
Benjamin 1703
Dorcas 1705 mar & Benjamin
Ephraim 1707 died 1720
1709 married William & Robert 1735
1711. lived in Boston - educated by his uncle
Susanah 1713 married Benjamin of Boston.
William 1715
Daniel 1718 educated at Y.C. settled in Northampton
Ephraim 1720
Moses 1722 settled in Northampton

Mr. Eleanor Mather
(sister of Harham)

children

Quince born 1664
" Harham 1666
" Eliakim 1668

his homelot. When the first allotment was made, the first lot or what is now called Pleasant Street was "reserved for the minister," & was subsequently given to Mr. Mather, & is described in the following terms:—"The front lotting upon the highway, early, the rear lotting upon the Mill river westerly, the flanks for-
dining upon John Wyman southerly, & against the brow of the meeting-house hill northerly, containing by estimation four acres, to & now or less" Grant Feb. 10, 1659. The north line on the brow of the hill was made straight in
by which the quantity of land reserved was increased. The S. western point seems to have been cut off by the road over
Mill river, which was not laid when the grant was made.
This lot now includes the ground on which the buildings of David Hunt, Frederick King & James Hinchley stand, with their orchards, gardens, &c. and all the shops & stores in Charlestown. Now an area built upon it
Other lands. The town gave Mr. Mather 10 acres in all but allotment
beginning the great river, and 21 acres in the meadow com-
monly called Charlestown, extending from the great river
to Mill river (Mill river then ran round near the
base of the hills, in the rear of South Street, & emptied into
the pond; the outlet of the pond & stream was also called
Mill river, & united with the Charlestown, before it reached
the Cornfield)

First Settlers of Northampton.
 Places where they lived. The numbers commence at that end
 of the street where it is connected with, or nearest to, the collecting
 House Hill.

Pleasant Street (now so called) West or South West side.		Page 1	
Mr. Eleanar Alather, 1st lot. Come in 1658	" 7	John Hyman, 2nd " 4th 1658	" 18
Richard Hyman 3 "	" 18	William (Motton) 4th	" 28
Edward (Motton) 5 "	" 27	Robert Bartlett 6th	" 28
Pleasant Street, East or East side, including two lots fronting	" 35	John Webb 1st lot	" 40
Alexander Edwards 2nd "	49	William France 3rd "	55
Thomas Root 4th "	61	Thomas Mason 5th "	61
King Street, including two lots fronting one	66	Samuel Wright Junior 1st "	77
William Miller 3rd "	83	Daniel Wright Senior 2nd "	91
David Court 4th "	99	John King 5th "	99
Walter Lee 6 "		Thomas Woodcock 7 "	
Samuel Sheldon 8 "		Samuel Allen 9 "	
Joseph Root 10 "		Charles Street	
Joseph Parsons 11 "		John Parsons 12 "	
John Collins 2nd "		George Alexander 3rd "	
William Annan 4th "		Henry Curtis 5th "	
Christopher Smith 6 "		Arthur Williams 7 "	
on the other side 1658		John Annan on the other side 1658	
Henry Landis 8 "		Joshua Lister 9 "	
in 1659		John Sackett the other side 1660	
collecting House Hill		Mathaniel Phelps, come by in 1658	
William Hubbert		John Ingersoll	
do "		do "	
do "		do "	







